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REPORT

RELATING TO THE REGISTRATION OF

BIRTHS, MARRIAGES AND DEATHS

IN THE

PROVINCE OF ONTARIO

FOR THE

YEAR ENDING 31st DECEMBER

1896.

---

PRINTED BY ORDER OF

THE LEGISLATIVE ASSEMBLY OF ONTARIO.

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TORONTO :

WARWICK BRO'S AND RUTTER, PRINTERS, 68 AND 70 FRONT STREET WEST.

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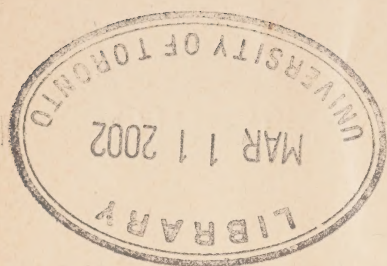
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TORONTO:

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OFFICE OF THE REGISTRAR-GENERAL FOR ONTARIO,

TORONTO, December 1st, 1897.

To Sir OLIVER MOWAT, K.C.M.G.,

*Lieutenant-Governor of the Province of Ontario.*

MAY IT PLEASE YOUR HONOUR :

In compliance with the Statute in that behalf, the undersigned respectfully presents to Your Honour the Annual Report of Births, Marriages and Deaths for the year, ending 31st December, 1896.

Respectfully submitted,

E. J. DAVIS,  
Registrar-General.





TORONTO, December 1st, 1897.

TO THE HON. ELIHU JAMES DAVIS,

*Registrar-General of the Province of Ontario.*

SIR,—I have the honor herewith to present the twenty-seventh annual report of births, marriages, and deaths for the Province of Ontario, being for the year 1896.

### Population.

The population utilized as the basis of calculation for the several tables of the report is estimated upon the difference between the number of recorded births and deaths. The total births returned is 46,908 and the total deaths 24,857, or an actual increase of 22,051 persons over 1895, or practically one per cent. upon the assumed population in 1895. The population adopted in this report for 1896, as the basis of calculation, is therefore, 2,263,492.

The comparison of the population for 1896 with that of some years ago, always admits in addition to the constant variation due to immigration and emigration during the year, an irregular one, according as each year finds new settlements which have sprung up in the unorganized territory taking on municipal organization, or being united to some District Division for purposes of registration under Registrars appointed by the Registrar-General. Thus it is found that for 1896, the number of municipalities, mostly townships, added to the registering divisions in one or other of such ways is as follows, as compared with 1892:—

Increase of Municipal Registration Divisions (organized and un-	
organized).....	81
“ of Division Registrars (organized).....	12
“ in District Registrars (unorganized).....	6
“ of assumed registering population (based on the average population of 525 for each of the 71 organized townships of Muskoka, Parry Sound and Nipissing)	42,525
Total increase of birth, marriage and death returns in 1896 as compared with 1892.....	6,891

### Completeness of Returns.

Assuming that the population adopted herein approximates the actual population, then on the completeness of returns will depend the estimate of the relative healthfulness, as also the marriage and birth rates of the Province.

With regard to the completeness of such returns, a somewhat extended reference was made in the report by the Registrar-General for 1895, and the provisions under the Revised and Consolidated Act of 1896 for improving the returns were outlined. The Act went into force in August, 1896, so that the returns for four months have been influenced to that extent by the new Act. The following table gives the returns for five years:—

Year.	Births.	Marriages.	Deaths.	Total.
1892.....	42,176	14,482	23,120	79,778
1893.....	42,894	14,475	22,903	80,292
1894.....	42,051	14,341	22,538	78,930
1895.....	41,628	13,987	22,461	78,076
1896.....	46,908	14,904	24,857	86,669

From these returns collected with as much care as the powers given under the Act of 1886 have admitted of, it will appear that practically no increase took place in the total returns during the five years preceding 1896. If it be assumed that the first part of the year 1896 would have had a proportionate increase had the new Act been then in force, we would have the following results :—

*Table comparing 1895 with 1896.*

	Actual increase.	Rates of in- crease per 12 months.
Births .....	5,280	12,672
Marriages .....	917	1,760
Deaths .....	2,396	5,752
Total .....	8,593	20,184

In addition to the regular returns for 1896, there has been moreover an increasing number of registrations on special forms, under the permission of the Registrar-General, especially of births, whose registration had been neglected. The total number of births, marriages and deaths entered in a special register since the work began is 2,400.

Alterations of christian names, made under the authority of the Registrar-General, add to the completeness of returns, while a very notable improvement in the completeness of the particulars called for in any return has resulted by sending schedules back to the Division-Registrars to have omissions filled in, and by withholding certificates until such have been made, as far as practicable, complete.

The insertion of a clause in the Marriage Act of 1896, requiring every license issuer to make a "post card" return to the Registrar-General of every license issued by him has served an important purpose through enabling omissions of clergymen to make marriage returns to be corrected. This entails much extra labor in the office, since it often happens that a license is issued in one and the marriage celebrated in another municipality, or even another county. The total number of license cards received by the office, from 1st of August to December 31st, 1896 was 6,500, and the marriages added to the returns for 1896 through this means have amounted to 1,500.

The decision of the Post-master General to allow all blank "Forms" to pass free through the mails is an invaluable aid in obtaining complete returns.

The amendment to the Marriage Act made in 1897, by which the Marriage Registers are to be supplied free to clergymen by the municipality, in return for which they are requested to send a half-yearly list of marriages celebrated by them to the Division Registrar, will further assist in making the marriage returns complete. The increase in the fee for each registration, and the imperative duty laid upon Division-Registrars of making diligent enquiry into the facts regarding any birth, marriage or death rumoured to have taken place, and the greatly increased interest of physicians in the operation of the Act, by the regular reporting of births and deaths, has undoubtedly resulted in the splendid increase of births already illustrated. The required certification as to the correctness of "cause of death" by the Medical Health Officer in cities, towns and villages prior to the issue of a burial permit, has resulted in a notable increase in precision as to the particular cause of death, not to mention the fact of its importance from the public health standpoint.

The importance of the monthly return of contagious diseases required to be made by every local registrar, in enabling the Provincial Board of Health to note the appearance of outbreaks and take action for their limitation cannot be over estimated, and now that



the operation of this section of the Act is better understood, local registrars who are also the secretaries of the Local Boards of Health, are reporting splendidly, as the returns for the month of October, 1897, numbering 600, indicate.

The amendments to the Registration Act of 1897, by which in the case of townships a Burial Permit may be issued by the Division-Registrar of one municipality when the death took place in a neighboring rural municipality, with the provision that the registration be made where the death occurred, has further improved the working of the Act by making registration more easy, and has tended to increase the completeness and accuracy of the returns.

How general has been the increase in returns, will be observed by a reference to Table 1, giving the births, marriages and deaths by counties, as well as in Tables 2 and 3 giving the same returns for cities and for towns.

Comparing these with the returns for 1895, the following results are obtained :—

Counties.		Counties showing an increase.	Counties showing a decrease.
(1) Births,	1895 .....	16	24
"	1896 .....	36	4
(2) Marriages,	1895 .....	19	21
"	1896 .....	26	14
(3) Deaths,	1895 .....	21	19
"	1896 .....	36	4
Cities.			
(1) Births,	1895 .....	5	8
"	1896 .....	10	3
(2) Marriages,	1895 .....	5	8
"	1896 .....	9	4
(3) Deaths,	1895 .....	8	5
"	1896 .....	6	7

*Table showing Increases and Decreases of Births, Marriages and Deaths in the thirteen cities of Ontario over 1895 :—*

	Increase.	Decrease.
Toronto .....	290	.....
Hamilton .....	124	.....
Ottawa .....	301	.....
London .....	255	.....
Kingston .....	105	.....
Brantford .....	22	.....
St. Thomas .....	.....	8
Guelph .....	.....	3
St. Catharines.....	9	.....
Belleville .....	10	.....
Stratford .....	.....	25
Windsor .....	70	.....
Chatham.....	62	.....
Total .....	1,248	36

*The following Increases and Decreases occurred in Different Towns over 1895:—*

	Increase.	Decrease.
Berlin .....		26
Brockville .....	104	
Cornwall .....	75	
Lindsay .....		41
Niagara Falls .....	5	
Owen Sound .....		12
Peterboro' .....	35	
Sarnia .....		13
Toronto Junction .....	46	
Woodstock .....	60	
Total .....	325	92

The following table will be of interest as stating the actual increases of population in the principal cities. This may depend upon two chief factors, either an increase of the birth rate or decrease of the death rate.

*Table showing actual increase or decrease of population in Ontario cities, 1896, or difference between births and deaths:—*

	Increase.	Decrease.
Toronto .....	1,278	
Hamilton .....	398	
Ottawa .....	116	
London .....	209	
Kingston .....		6
Brantford .....	72	
St. Thomas .....	60	
Guelph .....	119	
St. Catharines .....	27	
Belleville .....		14
Stratford .....	56	
Windsor .....	94	
Chatham .....	33	
Total .....	2,462	20
Actual increase .....	2,442	

In connection with the completeness of returns, it is proper to mention that the endeavors to establish the closest possible relations between the Registrar-General and the 758 Division Registrars, have, as seen by the results, been most successful. This has been accomplished, however, only by a very considerable labor, through supplying to Division Registrars information on the many points regarding which questions have been asked, through the preparation of circulars bearing on important matters in connection with the operation of the Act, and the supplying of ample blank forms facilitating the obtaining of prompt and complete returns.

The following table will be of interest as showing the volume of work in the Department :—

STATEMENT showing the Expenditures and Volume of work in the Department of the Registrar-General.

*Expenditure.*

—	1871.	1873.	1892.	1896.
Salaries (from annual report for 1871) .	\$2,612 00	\$4,500 00	\$6,440 00	\$6,600 00
Other expenditures .....	8,267 10	6,395 44	3,154 32	3,578 18
Totals .....	\$10,879 10	10,895 44	\$9,594 32	\$10,178 18
Salaries extra temporary clerks to re- cover arrears of indexing to the extent of about 200,000 registrations .....			2,670 00	.....
(Special grant for above work). .....			2,500 00	.....

*Volume of Business.*

—	1871.	1873.	1892.	1896.
Births indexed .....	19,536	27,552	44,754	46,908
Marriages indexed .....	17,336	21,996	28,378	29,808
Deaths “ .....	6,905	11,069	21,558	24,857
Totals .....	43,877	60,617	94,690	101,573
Indexing in arrears completed in 1892—				
Births .....			82,831	.....
Marriages .....			92,443	.....
Deaths .....			22,417	.....
Total .....			197,691	.....
Comparing and revising indexing in 1892—				
Births .....			84,098	41,628
Marriages .....			26,267	27,974
Deaths .....			14,834	22,461
Total .....			125,199	92,063
Preparing annual report, pages .....	20	38	294	280
Letters written and filed .....	109	81	1,386	2,241
Tabulating circulars issued <i>re</i> cemeteries .....			750	.....
Certificates issued of—				
Births .....			85	135
Marriages .....			38	64
Deaths .....			148	214
.....			271	413
Receiving, tabulating and publishing summary of 8,000 monthly contagious disease returns .....				8,000
Fees received for certificates issued (refunded to Treasury) .....			\$135 50	\$206 50
Fees for searches made for certificates applied for .....				\$150 00
Inspections made by Inspector of Div. Reg. Offices, interviews with clergymen and doctors and reports thereon in .....			14 counties 121 municipi- palities.	25 91
Annual reports issued and mailed .....			3,000	6,500



*Volume of Business.—Continued.*

	1871.	1873.	1892.	1896.
Receiving returns from Div. Registrars, entering number in register, arranging of same into books for binding and indexing.....	1,300	1,700	3,550	3,500
Blank forms issued.....	36,000	45,000	81,000	318,500
Revision of Act respecting the Registration of Births, Marriages and Deaths, with amendments in new bill.....	}	}	Prepared 1892.	}.....*
Official acknowledgment of semi-annual returns, 30th June.....			750	
Annual certificates for returns issued to District Division Registrars, and Division Registrars.....	40	40	750	758
Revising and extracting from indexes births, marriages and deaths being over the two year limit allowed by the Registration Act, and re-indexing from 1869 to 1894 inclusive—	40	40	750	758
Births.....				1,240
Marriages.....				395
Deaths.....				145
Comparison of forms of proposed marriages returned by License Issuers, with the returns of Division Registrars, and the tracing the place of marriage and having marriages registered in their proper divisions. Additional marriages thus recorded in 1896.....				1,950

\* Act Consolidated and Revised and passed in 1896.

**Births.**

The total births recorded in 1896, as seen in Table 1, is 46,908, being an increase over 1895 of 5,280. This gives a birth rate of 20.7 per 1,000 for the Province as a whole, and of 21.2 for the cities.

*Table of Births in Cities of Ontario per 1,000 of population.*

1891.....	23.4	1894.....	20.5
1892.....	20.8	1895.....	19.3
1893.....	21.7	1896.....	21.2

The following table of birth rates in other countries is of interest :—

	1895		per 1,000
England and Wales.....	30.4		“
Scotland.....	30.4		“
Ireland.....	23.2		“
Denmark.....	30.2		“
Switzerland.....	28.0		“
Belgium.....	28.5		“
France.....	21.9		“
Massachusetts.....	27.02		..

Excluding the cities and large towns, the rural population of 1,757,393 gives a birth rate of 20.5 per 1000.

The references made in previous reports show not only the increasing population of our new territory in north-western Ontario, yearly being opened to settlement, but also the increased area to which the operation of the Registration Act has been extended.

Thus: Algoma shows an increase in 1896 over 1895, of .....	523	births.
Muskoka " " " .....	439	"
Hastings " " " .....	341	"
Renfrew " " " .....	149	"

Other increases, as in Essex, 344, illustrate especially the increased accuracy in the operation of the Act.

*Births by Months.*—Minor variations in the number of births by months in 1896 as compared with 1895, are seen in Table 11 of report proper. The month of August, as in former years, returns the highest number.

*Illegitimate Births.*—The total number of illegitimate births recorded in Ontario in 1896 was 578, as compared with 587 in 1895, or one to every 81 births in the Province. That this return is very imperfect may be gathered from the investigations of the Medical Health Officer of Toronto, who reports some 500 births in private lying-in houses in Toronto, mostly illegitimate, in a single year.

The birth of triplets was recorded on six occasions in 1896.

### Marriages.

The total marriages recorded in 1896, as seen in Table 1, number 14,904, or 29,808 persons in all, being a rate of 6.5 marriages, or 13.0 individuals married for every 1,000 of the population.

The fact of marriages being celebrated to a proportionately large extent in the larger centres, is shown by the following figures:—

Marriages in rural districts (population 1,757,393) .....	5.5	per 1,000
" cities and towns (population 506,099) .....	10.1	" 1,000

The total number of marriages celebrated in several cities on the United States border, is illustrated by the following comparison:—

General marriage rate in Ontario .....	6.5	per 1,000
Marriage rate in all cities and larger towns .....	10.1	"
" Toronto .....	8.1	"
" Hamilton .....	8.3	"
" Ottawa .....	10.1	"
" London .....	15.2	"
" Windsor .....	53.8	"
" Sarnia .....	13.7	"
" Niagara Falls .....	15.3	"

These figures are of interest for comparison with other countries, as they are known to be fairly complete. The excessive marriage rate in the cities situated near the United States border is seen in Windsor, Sarnia and Niagara Falls.

#### *Average Marriage rate in various countries:*

Massachusetts, 1895 .....	9.2	marriages per 1,000 population.
New South Wales, 1894 .....	6.2	" "
New Zealand, ... 1894 .....	6.15	" "
Belgium, ..... 1894 .....	7.7	" "
Ireland, ..... 1896 .....	5.06	" "

The distribution of marriages by months, as referred to in Table 11, is seen to maintain practically the same relations as in other years. The same may be said with regard to marriages by denominations. Thus :—

Methodists .....	10,535	persons married
Presbyterians .....	6,056	"
Church of England .....	4,576	"
Roman Catholics .....	4,576	"
Baptists .....	1,776	"
Lutherans .....	761	"
Congregationalists .....	266	"
Evangelical Association .....	202	"
Mormonites .....	144	"
Quakers .....	44	"
Other denominations .....	732	"
No denomination given .....	140	"

### Deaths

The total recorded deaths during the year 1896, as seen in Table 1, are 24,857, or an increase of 2,396 over 1895. The rate per 1,000 of population is 10.9. Allowing an increase of 1 per cent. in population, the mortality rate in 1896 is practically the same as in 1895.

The following table gives comparative death rates in several foreign countries and states

#### *Deaths in different Countries.*

England and Wales, 1895, 18.7 per 1,000	Massachusetts..... 1895, 19.0 per 1,000
Scotland..... " 19.7 "	Maine..... 1894, 16.5 "
Ireland..... " 18.4 "	Rhode Island .... 1895, 19.6 "
Italy..... " 25.2 "	All New Engl'nd St's " 18.4 "
Denmark.. .. " 16.9 "	Ontario..... 1896, 10.9 "

The following table shows the percentage of population in urban and rural districts, in several countries and states, and comparative mortality in the several classes of municipalities :—

*Tables showing Urban and Rural Populations in different Countries, with deaths per 1000,*

#### *Scotland.*

Groups of Districts.	Pop. in census year 1881.	Deaths per 1,000.	Census. 1891.	Deaths per 1,000.	Census 1894.	Deaths per 1,000.
Principal towns .....	1,397,445	22.70	1,583,566	22.94	1,650,267	18.71
Large towns .....	441,105	19.10	509,952	21.76	533,306	17.51
Small towns .....	771,204	18.76	851,611	20.34	877,438	16.62
Mainland rural.....	995,431	15.60	954,566	17.37	939,430	13.35
Insular rural.....	130,388	15.53	125,952	17.89	124,250	15.27



*England and Wales.*

	1881.	1891.	Increase.
Urban population.....	17,029,393	19,763,264	16 per cent.
Rural ".....	8,945,046	9,239,261	3 $\frac{1}{4}$ "

\* Urban includes all towns with a population over 5,000.

*United States.*

	Total population.	Increase during 10 years.	Urban pop. in cities of 8,000 or more.	Percentage of whole.
1870.....	38,558,371	22.63 per cent.	8,071,875	20.93 per cent.
1880.....	50,155,783	30.08 "	11,318,547	22.17 "
1891.....	62,622,250	29.20 "	18,284,385	29.20 "

The death rate in Ontario cities for 1896 is 15.5, or .1 per 1,000 less than in 1895. The following increases and decreases are recorded for different cities:

*Table shewing Increase or Decrease of Births and Deaths in 1896, as compared with 1895.*

Cities.	Births.	Deaths.	Increase or decrease.	Births, rate per 1,000.	Deaths, rate per 1,000.
Toronto .....	4,246	2,968	1,278=I	21.6	15.1
Hamilton. ....	1,128	730	398=I	21.8	14.1
Ottawa .....	1,198	1,082	116=I	25.8	21.1
London .....	599	390	209=I	18.3	11.9
Kingston .....	325	341	6=D	16.5	16.8
Brantford .....	340	268	72=I	25.3	19.9
St. Thomas.....	220	160	60=I	20.1	14.6
Guelph .....	240	121	119=I	21.6	10.9
St. Catharines .....	159	132	27=I	16.5	13.7
Belleville .....	143	157	14=D	13.7	15.0
Stratford .....	159	103	56=I	15.9	10.2
Windsor .....	257	163	94=I	23.6	15.0
Chatham.....	165	132	33=I	17.3	13.8
Total.....	9,189	6,747	2,442	21.2	15.5

Table 8 page (32) shows the average death rates in different counties over a period of ten years. The increase above the average which is seen in all but nine counties, is due rather to an increased completeness of returns than to an actual increase of the mortality. This is especially to be noted in Algoma and Renfrew, where the number of Registrars, as already mentioned, has been more than doubled in five years.

*Highest Causes of Death.*—These, as seen in Table 4 (page 28) show practically the same relationship between the several diseases in the list as in 1895. The class designated

pre-natal stands first, and includes all still-births, all deaths returned as heart failure under one year, and those dying within two or three months of birth without any definitely assigned cause. This classification must be considered very unsatisfactory, but inasmuch as children delicate at birth continue throughout their brief life in a lingering death, and frequently are but casually seen by physicians, it is probably as fair to ascribe the cause of death to immature development as to anything else. Senile decay with all the indefiniteness attaching to this term, similarly claims a high place in the causes of death, being but 229 less than pre-natal. Together these two ill defined classes amount to 5,315, or 21 per cent. of all deaths recorded. In England in 1895, 13,173 deaths were uncertified as to cause, or 23 per cent. of the whole; but in eight counties uncertified causes amount to more than 10 per cent. of the whole. The deaths for all England from old age in 1895 were 12,845, and premature births 9,858. Adding the three ill-defined classes together, there is a total of 66 per cent., more or less comparable to the 21 per cent. of ill-defined causes in the Ontario returns.

The highest in number of definitely assigned causes of deaths is phthisis, excluding other tubercular diseases, showing a total mortality of 2,758 for 1896—or with the latter 2,922.

Pneumonia, with a slight absolute increase over 1895, maintains the same relationship to the other principal causes of death. Valvular diseases of the heart have increased their absolute number and relatively to the other principal ten causes. Diphtheria stands next in the causes of death, but shows a small absolute decrease over 1895. Typhoid fever, although amongst the ten highest causes, again shows a small absolute and greater relative decline, being 36 deaths less than in 1895. Wounds and accidents show an increase over 1895 of 74.

The following table shows the number of deaths due to 10 principal causes:

*Principal Causes of Deaths.*

	Total deaths.		Total deaths.
Pre-natal .....	2,772	Paralysis.....	847
Phthisis .....	2,758	Convulsions .....	701
Old age .....	2,543	Typhoid fever .....	552
Pneumonia.....	1,638	Wounds and accidents.....	536
Valvular diseases .....	980	Bronchitis .....	526
Diphtheria .....	932	Whooping Cough .....	187
Cholera infantum .....	905	Scarlatina .....	99
		Measles.....	36

With regard to the more serious of the preventable communicable diseases, it is satisfactory to note the almost continuous diminution in the mortality from them, taken as a whole, during the three past quinquennia.

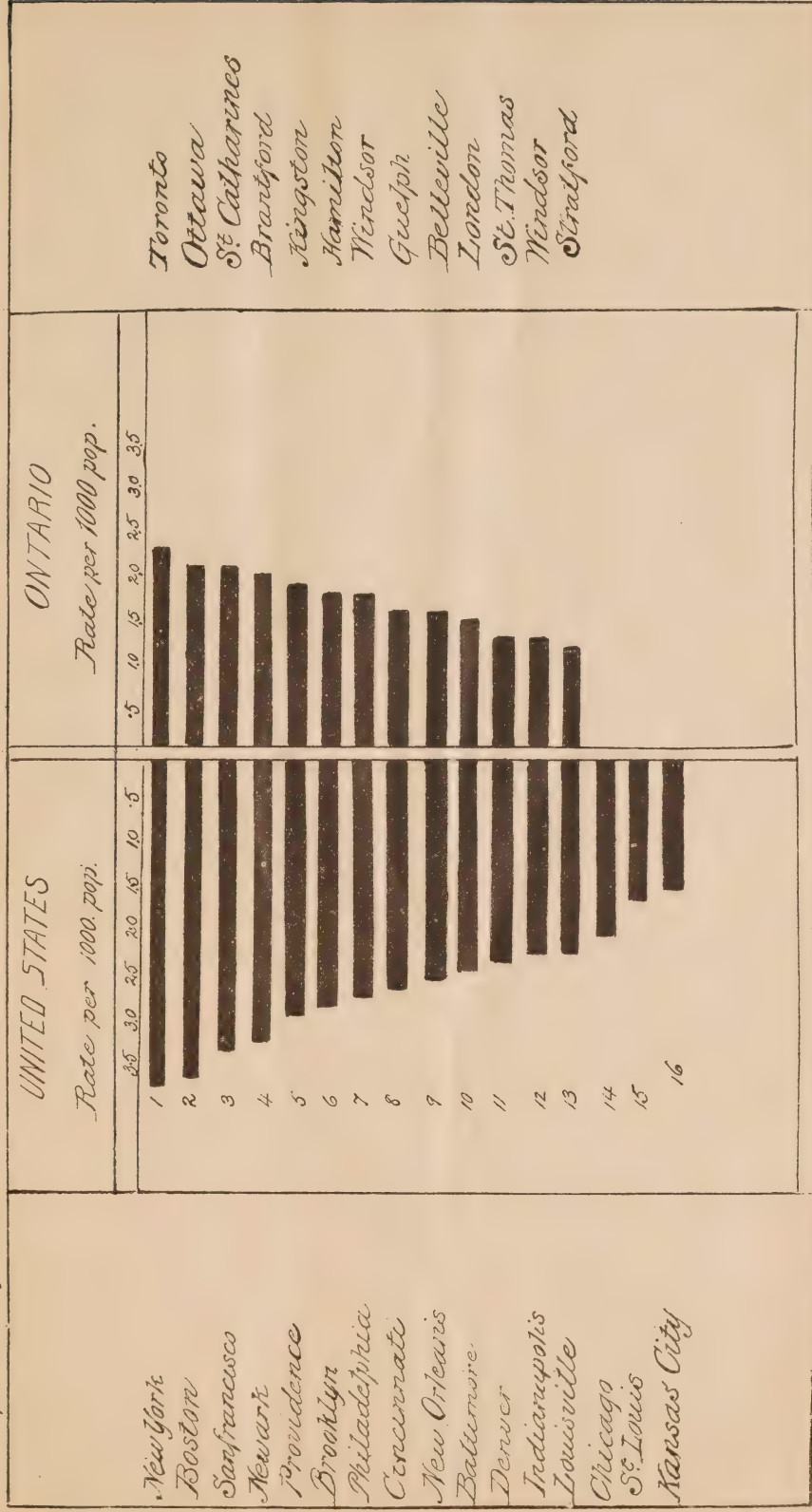
The following table illustrates the decrease.

It may be stated that the inclusion of all deaths from croup with those due to diphtheria, makes the falling off in the last period probably less than it comparatively should be.

*Table of Deaths in the Three Five-year Periods.*

		Smallpox.	Scarlatina.	Diphtheria	Typhoid.
1st period .....	1882-1886	128	1,929	5,028	3,027
2nd period .....	1887-1891	16	650	4,774	3,060
3rd period .....	1892-1896	7	993	4,774	1,642

Relative Deathrates per 1000 (white population) from Consumption in  
 13 American cities, and 13 Ontario cities; U. States census 1890. Ontario  
 Report, 1896.







The absolute percentage decrease, as shown by the above figures, is given without eliminating the further percentage decrease with an increasing population. The first period is represented by 100 per cent :

		Smallpox.	Scarlatina.	Diphtheria	Typhoid.
1st period .....	1882-1886	100%	100%	100%	100%
2nd period .....	1887-1891	88%	67%	6%	No decrease
3rd period .....	1892-1896	93%	50%	6%	46%

*Diphtheria.*—Although the deaths from diphtheria, as illustrated in the previous table, show the least decrease of the several more serious contagious diseases during the three quin-quennial periods, nevertheless it has within the last three years shown a steady decrease, although the deaths due to croup are all included under it :

Thus in 1894 the total deaths were 1,075, or . 5 per 1,000.  
 “ 1895 “ “ 942, “ . 4 “  
 “ 1896 “ “ 925, “ .39 “

The death rates in the thirteen Ontario cities for the same three years were :

1894 .....	380
1895 .....	313
1896 .....	305

Comparative tables from other places will be found interesting for comparison, illustrating as they do the steadily increasing ability to lessen the outbreaks of this disease and the percentage mortality of cases.

*Comparative Table re Diphtheria.*

England .....	1883	Rate per 1,000.....	.32
“ .....	1895	“ .....	.26
Scotland .....	“	“ .....	.30
Ireland .....	1896	“ .....	.07
Massachusetts.....	1893	“ .....	.71

*Tuberculosis.*—This disease shows a slight total increase in 1896 over the preceding years, thus :

1887.....	2,556	1892 .....	2,592
1888.....	2,521	1893.....	2,552
1889.....	2,417	1894.....	2,379
1890.....	2,503	1895.....	2,472
1891.....	2,486	1896.....	2,758

If the total increase in deaths for the year is considered the absolute increase in tuberculosis over 1895 is accounted for. The percentage of deaths due to this disease compared with the total deaths was 11 per cent. in both 1895 and 1896. This percentage is closely maintained in other countries. Thus the census of 1890 of the United States gives for *consumption* a percentage of 12.1 of all deaths.

*Table showing percentage death-rates from phthisis of the deaths due to all causes in census of 1890.*

Massachusetts .....	13.4	per cent.
Rhode Island .....	12.4	"
Vermont .....	12.5	"
New York .....	12.1	"
Delaware .....	15.8	"

If we compare the death rate from tuberculosis in Ontario cities with those of the United States for the census year it will be seen that a similar percentage to the total death rate exists, thus :

New York City .....	13.5	per cent.
Brooklyn .....	11.3	"
Philadelphia .....	12.3	"
Rochester .....	12.3	"
Cincinnati .....	12.6	"
Buffalo .....	9.4	"
Chicago .....	8.3	"
Detroit .....	8.0	"
St. Paul .....	7.4	"
Ontario cities (thirteen) .....	13.35	"

There is, however, a notable difference both in the rates in Ontario cities and also in these as compared with neighboring American cities, if the death rate per 1,000 is estimated.

The diagram following well illustrates this point.

Referring to the death rates in the different counties and cities in Ontario comparisons in past years have been instituted. The remarkable fact is again revealed that there are distinctive and seemingly permanent differences between different geographical areas of the province as regards the prevalence of consumption. Thus 1896 is compared with 1893.



Deaths from phthisis or consumption in Ontario by groups of counties during 1892-3 and 1896 :

County group.	Deaths per 1,000.		County group.	Deaths per 1,000.	
	1893.	1896.		1893.	1896.
<i>Georgian Bay Group.</i>			<i>River St. Lawrence Group.</i>		
GROUP I.			GROUP VIII.		
Simcoe .....	.8	.9	Leeds and Grenville .....	1.22	1.5
Grey .....			Stormont, Dundas and		
Bruce .....			Glengarry .....		
Huron .....					
<i>South Western Peninsula.</i>			<i>Lower Ottawa River Group.</i>		
GROUP II.			GROUP IX.		
Lambton .....	.9	1.2	Carleton .....	1.2	1.6
Essex .....			Prescott and Russell .....		
Kent .....					
<i>Lake Erie Group.</i>			<i>Eastern Inland Group.</i>		
GROUP III.			GROUP X.		
Elgin .....	.95	1.0	Lanark .....	.92	1.1
Norfolk .....			Renfrew .....		
<i>Niagara Peninsula.</i>			<i>Central Inland Group.</i>		
GROUP IV.			GROUP XI.		
Haldimand .....	1.1	1.2	Victoria .....	1.1	1.0
Lincoln .....			Peterboro' .....		
Welland .....					
<i>Western Lake Ontario Group.</i>			<i>Western Central Plateau.</i>		
GROUP V.			GROUP XII.		
Wentworth .....	1.05	1.3	Perth .....	.95	.99
Halton .....			Middlesex .....		
Peel .....			Waterloo .....		
<i>Central Lake Ontario Group.</i>			Wellington .....		
GROUP VI.			Dufferin .....		
Ontario .....	1.23	1.3	Brant .....		
Northumberland & Durham .....			Oxford .....		
Prince Edward .....					
<i>Eastern Lake Ontario Group.</i>			<i>Laurentide Group.</i>		
GROUP VII.			GROUP XIII.		
Hastings .....	1.1	1.2	Algoma .....	.71	.87
Lennox and Addington .....			Muskoka and Parry Sound .....		
Frontenac .....			Haliburton .....		

From the comparison of the death rates for a number of years it is quite apparent that from whatever causes, whether the character of the population, or climatic and soil differences, tuberculosis shows a relatively high mortality attaching to several counties bordering on Lake Ontario and the River St. Lawrence.

The question of *population density*, so prominent in the comparative mortality rates of the great cities of Europe and the United States can hardly yet be said to enter largely into the study of Ontario cities.

In the Annual Report for 1893 the following table from the report of the Registrar General for Scotland was published :

*Table showing deaths from phthisis in Scotland for different population areas :*

Scotland.	Deaths per 1,000.	
	1889.	1892.
Whole country .....	2.46	2.3
Principal towns .....	2.93	2.8
Large towns .....	2.62	2.4
Mainland (rural) .....	1.83	1.7
Insular " .....	1.83	1.7
City of Glasgow .....		3.0
" Edinburgh .....		2.5
" Dundee .....		2.8

Similar results are illustrated in the mortality returns of the Massachusetts report of the State Board of Health for 1895. There the basis of comparison is where *dense* refers to areas where there is less than one acre to each inhabitant, *medium* to where there is less than one acre but less than four, and *sparse* to where there is more than four acres to each inhabitant.

Mortality from consumption in dense districts .....	1,000
" " " " medium " .....	810
" " " " sparse " .....	727

The comparison is made for a total mortality of 112,604 deaths from consumption.

The inland, hill area of Berkshire, Mass., with a death rate per 1,000 of 2.3 is taken as a local standard of comparison and is represented by 100. Compared with it we have the following :

Berkshire county .....	100
Connecticut River counties .....	116
Worcester county .....	117.7
Sea coast counties (excluding Boston) .....	191.1

If comparison be made of the Laurentian areas in the frontier districts of Muskoka, Nipissing and Algoma, largely a forest area, with some of the older counties, an index may be had of how a sparsely settled district, with a young and active population, largely engaged in out-door pursuits, compares with older and more thickly settled counties.

	Rate per 1,000.		Rate per 1,000.
Muskoka .....	0.6	Prince Edward .....	1.6
Nipissing }		Leeds and Grenville .....	1.7
Algoma }	.55	Lincoln .....	1.3
Wellington .....	0.9	Welland .....	1.2
Grey .....	0.8		

Such figures become of extreme importance in view of the intense interest which on every hand is being taken in the problem of how the mortality from this disease, which causes one-third of all the deaths in the population of many temperate climates, may be lessened. While the general recognition of the contagiousness of the disease, and the general advances of sanitation in European countries and on this continent are undoubtedly lessening the annual mortality, nevertheless, the monthly returns of deaths from municipalities in Ontario continue to show that as compared with all other preventable diseases tuberculosis holds a place so high that the national and individual health interests demand that every possible use of statistics be made in order that the people, and through them their legislators, may devise still more practical measures for dealing with this disease.

#### 1896-1897.

*Table showing deaths from consumption compared with total deaths from monthly reports of contagious diseases in Ontario from June, 1896, to October, 1897.*

Months.	Total deaths from scarlatina, diph- theria, smallpox, typhoid, measles, whooping cough and consumption.	Deaths from consumption.		Percentage of population of Province reporting.
		Total.	Percentage of all deaths returned.	
1896.				
June .....	148	102	70 %	.....
July.....	156	100	64	.....
August .....	168	89	57	.....
September .....	192	92	48	63
October .....	235	91	38	67
November .....	197	91	46	64
December .....	263	133	50	68
1897.				
January .....	216	112	52	63
February .....	244	137	56	62
March .....	255	156	61	59
April .....	211	126	59	44
May .....	243	173	70	64
June .....	211	130	61	67
July .....	167	111	70	57
August .....	189	120	63	56
September .....	204	122	60	59
October.....	216	118	54	59

From these tables much is taught regarding the positive influences at work in Ontario tending to limit the prevalence of the acute contagious diseases, while the comparison of deaths from other causes with those with the death-rate from tuberculosis



seems clearly to point to the demand for the more extended application of methods, not new, but nevertheless new in the development of the positive knowledge that rapid and certain reduction in the death-rate from consumption is possible.

I have the honor to be,

Your obedient servant,

P. H. BRYCE,

Deputy Registrar-General.

## REPORT OF THE INSPECTOR.

TORONTO, Dec. 1st, 1897.

TO THE HONOURABLE E. J. DAVIS,

*Registrar-General of Ontario :*

SIR,—I have the honour to report that during the past eleven months I have visited for purposes of inspection, the Division-Registrars of 91 Municipalities within the Counties of

Brant,	Carleton,	Dufferin,	Elgin,
Essex,	Frontenac,	Grey,	Halton,
Hastings,	Kent,	Lambton,	Lennox and
Lincoln,	Muskoka and Parry	Middlesex,	Addington,
Northumberland	Sound,	Ontario,	Oxford,
and Durham,	Peel,	Perth,	Simcoe,
Waterloo,	Wellington,	Wentworth,	Welland and
			York.

I also interviewed many mayors, reeves, clergymen, physicians, undertakers and others from whom any information was likely to be gleaned on the subject of registration of births, marriages and deaths. I furthermore made enquiries as to registration books kept in churches and elsewhere, prior to the Act of 1869, and personally inspected a number of these records, many of which date back to the early years of the history of Upper Canada.

In regard to the working of the amended Act, I have very little to add to the remarks made in my report of last year. The Division-Registrars in most instances seem to be making strong efforts to have all the provisions of the Act carried out, and that they are succeeding fairly well, is evidenced by the returns for the first six months of this year. Not only are they considerably larger in number in comparison with the same period of 1896, but far more complete in every respect. I do not wish it understood that these returns are by any means complete even yet, but if the same marked improvement continues as has been shown ever since the new Act came in force in the spring of last year for a few years longer, there is no doubt but that before the closing years

of this century, the Vital Statistics of Ontario will be very reliable and pretty near complete. I regret exceedingly that I am compelled to report once more, that a number of physicians do not do their share of the work called for in certain sections of the Act, and in consequence many Division-Registrars have considerable extra labor forced upon them. I give all credit to a great many medical practitioners for the conscientious manner in which they assist the Division-Registrars in every possible way, and hope that all of the profession will soon fall into line, as their active aid will do more than that of any other section of the community to ensure the proper carrying out of the Act. Much satisfaction is expressed on all sides at the change made last session, which allows reports of deaths to be made to and burial permits granted by the nearest Division-Registrar no matter whether he belongs to the same municipality in which the death occurred or not. This concession to a great extent does away with objections mentioned in my last report in referring to the difficulty in obtaining burial permits.

In regard to search for old records, I was more successful than I had hoped to be, as I find that most of the Episcopalian and Roman Catholic Churches throughout the Province, as well as many of other denominations have books showing the records of baptisms, marriages and burials, extending from the organization of their churches down to the introduction of the Registration Act in 1869. One of these Registers that I had the privilege of examining, began in the year 1787, and many others show entries in the early years of this century. These records if collected, would, I think, become invaluable to the Province, both from a historical and practical point of view. The Department frequently has applications for certificates of births, deaths and marriages, which occurred prior to 1869, and only in the latter case have they any opportunity of affording the necessary information, and that in a very limited degree. With the additional data referred to above, in their possession, this office would be much better equipped as a bureau of information. I most strongly recommend that steps be taken at an early date to ensure the preservation of these old records, as many of them are apt to be lost or destroyed through the ravages of fire, and could not be replaced at any cost.

In closing this report, I desire to place on record the obligation I am under to many of the clergymen and officials connected with the different churches, synods, etc., in placing at my disposal all information in their possession in regard to the registration of births, marriages and deaths, and also to state that throughout the whole Province, I find a greatly increased interest taken in vital statistics by all classes of the community, which augurs well for an increased efficiency in the returns for the future.

I have the honor to be, Sir,

Your obedient servant,

R. B. HAMILTON,

Inspector.

TABLE 1.

Table shewing the total number of Births, Marriages and Deaths in each County in 1896.

Counties.	Births.			Marriages.			Deaths.			Totals.			Ratio to 1,000 of the Population.		
	Number in 1896.	Variation from 1895.		Number in 1896.	Variation from 1895.		Number in 1896.	Variation from 1895.		Number in 1896.	Variation from 1895.		Births.	Marriages.	Deaths.
		Increase.	Decrease.		Increase.	Decrease.		Increase.	Decrease.		Increase.	Decrease.			
Algoma .....	1,658	523	.....	414	100	.....	560	108	.....	2,632	731	.....	35.8	8.9	12.1
Brant .....	695	.....	70	243	26	.....	473	11	.....	1,411	.....	33	18.1	6.1	12.3
Bruce .....	1,368	90	.....	358	.....	25	663	126	.....	2,389	191	.....	20.1	5.2	9.7
Carleton .....	2,037	481	.....	679	12	.....	1,467	31	.....	4,183	524	.....	24.9	8.3	17.9
Dufferin .....	477	26	.....	108	.....	52	187	2	.....	772	.....	24	20.3	4.6	8.0
Elgin .....	800	54	.....	292	.....	11	465	4	.....	1,557	47	.....	17.5	6.4	10.1
Essex .....	1,750	344	.....	1,022	116	.....	738	40	.....	3,510	500	.....	29.9	17.4	12.6
Frontenac .....	931	148	.....	281	.....	21	660	111	.....	1,872	238	.....	18.8	5.6	13.3
Grey .....	1,558	146	.....	428	58	.....	727	126	.....	2,713	330	.....	20.8	5.7	9.7
Haldimand .....	402	.....	4	155	.....	4	190	.....	17	747	.....	25	16.3	6.3	7.7
Halton .....	405	.....	41	103	11	.....	214	10	.....	722	.....	20	17.5	4.4	9.2
Haliburton .....	217	46	.....	42	17	.....	83	12	.....	342	75	.....	32.5	6.3	12.4
Hastings .....	1,292	341	.....	399	33	.....	700	134	.....	2,391	508	.....	20.7	6.4	11.2
Huron .....	1,324	110	.....	361	.....	42	587	54	.....	2,272	122	.....	18.8	5.1	8.3
Kent .....	1,237	131	.....	472	53	.....	608	45	.....	2,317	229	.....	20.0	7.6	9.8
Lambton .....	1,172	163	.....	399	17	.....	502	65	.....	2,073	245	.....	20.2	7.0	8.6



Lanark .....	39,686	773	69	.....	250	28	.....	406	135	.....	1,429	232	.....	19.7	6.3	10.2
Leeds and Grenville .....	64,053	1,050	297	.....	354	.....	26	703	238	.....	2,107	509	.....	16.4	5.5	10.9
Lennox and Addington .....	26,085	481	139	.....	203	12	.....	245	68	.....	929	219	.....	18.4	7.7	9.4
Lincoln .....	31,643	516	.....	22	174	.....	1	387	.....	23	1,077	.....	46	16.3	5.5	12.2
Middlesex .....	107,282	1,630	80	.....	612	17	.....	936	.....	90	3,178	7	.....	15.2	5.7	8.7
Muskoka and Parry Sound .....	55,118	1,593	439	.....	385	123	.....	488	127	.....	2,466	689	.....	28.8	7.0	8.8
Norfolk .....	32,601	641	96	.....	220	18	.....	307	8	.....	1,168	122	.....	19.6	6.7	9.4
Northumberland and Durham .....	74,126	1,232	129	.....	395	.....	25	750	26	.....	2,377	130	.....	16.6	5.3	10.1
Ontario .....	47,713	909	43	.....	260	37	.....	488	23	.....	1,657	103	.....	19.0	5.4	10.2
Oxford .....	52,440	1,080	101	.....	320	1	.....	597	61	.....	1,997	163	.....	20.6	6.1	11.3
Peel .....	26,162	428	19	.....	116	.....	36	247	64	.....	791	47	.....	16.3	4.4	9.4
Perth .....	54,405	979	19	.....	332	38	.....	481	.....	5	1,792	52	.....	17.9	6.1	8.8
Peterborough .....	37,143	894	98	.....	275	63	.....	418	33	.....	1,587	194	.....	24.0	7.4	11.2
Prescott and Russell .....	44,669	1,374	56	.....	271	21	.....	588	68	.....	2,233	145	.....	30.7	6.0	13.1
Prince Edward .....	19,867	324	62	.....	139	34	.....	275	84	.....	738	180	.....	16.3	6.9	13.8
Renfrew .....	48,839	1,463	149	.....	377	30	.....	560	114	.....	2,430	293	.....	30.2	7.8	12.2
Simcoe .....	75,458	1,757	348	.....	446	.....	4	814	256	.....	3,017	600	.....	23.2	5.9	10.7
Stormont, Dundas and Glengarry .....	73,363	1,301	217	.....	443	8	.....	673	103	.....	2,417	328	.....	17.7	6.0	9.0
Victoria .....	34,704	720	71	.....	200	.....	2	341	30	.....	1,261	99	.....	20.7	5.7	9.8
Waterloo .....	53,102	1,163	3	.....	295	.....	28	538	7	.....	1,996	.....	18	21.9	5.5	10.1
Welland .....	32,222	667	68	.....	233	.....	21	391	28	.....	1,291	75	.....	20.7	7.2	12.1
Wellington .....	62,526	1,202	5	.....	375	27	.....	600	18	.....	2,177	50	.....	19.2	6.0	9.5
Wentworth .....	82,951	1,684	37	.....	558	72	.....	1,097	48	.....	3,389	157	.....	20.3	6.7	13.2
York .....	295,315	5,724	269	.....	1,915	243	.....	3,673	113	.....	11,312	625	.....	19.4	6.4	12.4
Totals .....	2,263,492	46,908	5,417	137	14,904	1,215	298	24,857	2,531	135	86,669	8,759	166	20.7	6.6	10.9

TABLE 2.

Table shewing the total number of Births, Marriages and Deaths in each City in 1896.

Cities	Population.	Births.			Marriages.			Deaths.			Totals.			Ratio to 1 000 of the population.		
		Number in 1896.	Variation from 1895.		Number in 1896.	Variation from 1895.		Number in 1896.	Variation from 1895.		Number in 1896.	Variation from 1895.		Births.	Marriages.	Deaths.
			Increase.	Decrease.		Increase.	Decrease.		Increase.	Decrease.		Increase.	Decrease.			
Toronto.....	195,979	4,246	115	.....	1,601	193	.....	2,968	.....	18	8,815	290	.....	21.6	8.1	15.1
Hamilton.....	51,527	1,128	42	.....	432	72	.....	730	10	.....	2,290	124	.....	21.8	8.3	14.1
Ottawa.....	46,449	1,198	310	.....	472	.....	24	1,082	15	.....	2,752	301	.....	25.8	10.1	21.1
London.....	32,618	599	25	.....	496	237	.....	390	.....	7	1,485	255	.....	18.3	15.2	11.9
Kingston.....	20,262	335	40	.....	184	12	.....	341	53	.....	860	105	.....	16.5	9.0	16.8
Brantford.....	13,413	340	.....	30	130	27	.....	268	25	.....	738	22	.....	25.3	9.7	19.9
St. Thomas.....	10,901	220	15	.....	104	.....	30	160	7	.....	484	.....	8	20.1	9.5	14.6
Guelph.....	11,082	240	12	.....	108	19	.....	121	.....	34	469	.....	3	21.6	9.7	10.9
St. Catharines.....	9,644	159	29	.....	56	.....	5	132	.....	15	347	9	.....	16.5	5.8	13.7
Belleville.....	10,430	143	.....	5	74	.....	2	157	17	.....	374	10	.....	13.7	7.0	15.0
Stratford.....	9,992	159	.....	15	72	1	.....	103	.....	11	334	.....	25	15.9	7.2	10.3
Windsor.....	10,857	257	14	.....	585	58	.....	163	.....	2	1,005	70	.....	23.6	53.8	15.0
Chatham.....	9,521	165	55	.....	119	11	.....	132	.....	4	416	62	.....	17.3	12.5	13.8
Totals.....	432,675	9,189	657	50	4,433	630	61	6,747	127	91	20,369	1,248	36	21.2	10.2	15.5

TABLE 3.

Table shewing the total number of Births, Marriages and Deaths in each Town in 1896.

Towns.	Population.	Births.			Marriages.			Deaths.			Totals.			Ratio to 1,000 of the population.		
		Number in 1896.	Variation from 1895.		Number in 1896.	Variation from 1895.		Number in 1896.	Variation from 1895.		Number in 1896.	Variation from 1895.		Births.	Marriages.	Deaths.
			Increase.	Decrease.		Increase.	Decrease.		Increase.	Decrease.		Increase.	Decrease.			
Be lin.....	7,809	190	.....	26	46	.....	27	115	27	.....	351	.....	26	24.3	6.0	14.7
Brockville.....	9,264	215	56	.....	88	5	.....	158	43	.....	461	104	.....	23.2	9.5	17.0
Cornwall .....	7,156	179	51	.....	61	4	.....	88	20	.....	328	75	.....	25.0	8.5	12.2
Lindsay .....	6,395	123	.....	9	67	.....	16	63	.....	16	253	.....	41	19.0	10.4	9.9
Niagara Falls.....	3,516	102	8	.....	54	.....	6	53	3	.....	209	5	.....	26.0	15.3	15.0
Owen Sound .....	7,884	157	.....	2	64	1	.....	104	.....	11	325	.....	12	19.9	8.1	13.2
Peterborough.....	10,421	260	.....	1	119	27	.....	163	9	.....	542	35	.....	24.9	11.0	15.6
Sarnia .....	6,822	129	.....	2	94	.....	14	60	3	.....	283	.....	13	18.9	13.7	8.8
Toronto Junction.....	5,100	146	25	.....	19	.....	8	77	29	.....	242	46	.....	28.6	3.7	15.1
Woodstock .....	9,057	169	26	.....	69	1	.....	121	33	.....	359	60	.....	18.6	7.6	13.3
Totals.....	73,424	1,670	166	40	681	38	71	1,002	167	27	3,353	325	92	22.7	9.2	13.6



TABLE  
Recapitulation by Classes

Cause of death.	Sex.			Nativity.			Social condition.			Ages.					
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	Under 1 y'r.	1-4.	5-9.	10-14.	15-19.	19-24.
Zymotic diseases . . . . .	1713	1755	....	3010	408	50	2597	304	567	1060	905	426	156	102	103
Constitutional diseases . . . . .	2763	2925		4 3900	1616	176	1567	1381	2744	391	189	92	172	363	576
Local diseases . . . . .	4814	4213		3 5719	2976	335	3376	1890	3764	1429	793	294	214	294	341
Developmental diseases . . . . .	2755	2461		48 3203	1975	86	1817	957	1490	2800	.....	.....	.....	12	42
Violent deaths . . . . .	781	216	....	611	317	69	333	80	584	12	75	71	68	72	81
Cause not specified . . . . .	171	228		7 293	64	49	189	77	140	32	81	28	21	13	18
Total . . . . .	13997	11798	62	16726	7356	765	10879	4689	19289	5724	2043	911	531	856	1161

No. 4.

of Diseases by Counties, 1896.

Ages.								Months.												Totals.
25-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not given.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
95	158	79	99	96	111	53	25	243	240	252	193	202	160	387	453	458	353	255	272	3468
515	773	603	591	753	442	138	93	497	414	530	593	555	449	464	481	464	468	428	449	5692
309	613	561	843	1318	1347	514	160	807	862	1018	907	757	615	653	665	619	698	653	782	9030
51	89	31	.....	.....	876	1319	24	454	460	517	579	415	395	424	464	473	402	388	483	5264
82	101	102	89	99	67	53	25	71	73	63	72	95	104	106	99	87	112	78	37	997
19	37	38	36	49	5	2	27	32	30	38	39	34	35	33	38	46	37	19	26	406
1071	1771	1414	1658	2315	2848	2079	355	2088	2079	2418	2183	2058	1758	2067	2200	2147	2069	1771	2049	24857

TABLE  
Recapitulation by Classes of

Cause of death.	Sex.			Nativity.			Social condition.			Ages.					
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	Under 1 yr.	1-4.	5-9.	10-14.	15-19.	20-24.
Zymotic diseases . . . . .	498	467	....	841	112	12	758	61	146	368	201	106	37	37	41
Constitutional diseases . . . . .	718	816	....	988	505	41	468	314	752	173	55	18	26	102	128
Local diseases . . . . .	1345	1238	2	1522	995	68	1031	440	1114	502	232	96	72	76	78
Developmental diseases . . . . .	667	682	35	1049	325	9	970	160	254	961	....	....	....	1	6
Violent deaths . . . . .	173	64	1	134	82	22	74	30	134	4	24	14	10	16	19
Cause not specified . . . . .	16	25	....	25	15	1	6	14	21	....	2	1	1	....	4
Total . . . . .	3417	3292	38	4559	2035	153	3307	1019	2421	2008	514	235	146	232	276

TABLE  
Recapitulation by Classes of

Cause of death.	Sex.			Nativity.			Social condition.			Ages.					
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	Under 1 yr.	1-4.	5-9.	10-14.	15-19.	20-24.
Zymotic diseases . . . . .	87	74	....	140	19	2	110	18	33	54	24	15	7	9	9
Constitutional diseases . . . . .	88	109	....	138	59	....	68	53	76	15	7	4	7	18	20
Local diseases . . . . .	217	171	....	262	123	3	154	94	140	65	45	12	13	10	14
Developmental diseases . . . . .	122	101	....	140	81	2	125	40	58	122	....	....	....	....	1
Violent death . . . . .	24	5	....	20	9	....	8	3	18	1	2	2	1	3	2
Cause not specified . . . . .	2	2	....	1	2	1	....	1	3	....	....	....	....	....	1
Total . . . . .	540	462	....	701	293	8	465	209	328	257	78	33	28	40	47



No. 5.

## Diseases by Cities, 1896.

Ages.								Months.												Total.
25-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not given.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
25	39	32	25	19	19	14	2	58	58	54	42	38	81	205	154	81	62	38	94	965
150	227	183	188	180	73	18	13	109	104	134	115	141	116	158	124	139	110	137	147	1534
77	162	201	278	364	305	123	19	234	233	232	200	191	194	228	188	176	230	194	285	2585
6	12	4	.....	.....	161	231	2	101	93	132	122	122	99	139	112	106	96	124	138	1384
19	24	22	29	25	15	9	8	12	6	11	19	24	23	33	25	24	17	23	21	238
3	11	6	4	8	.....	.....	1	5	3	4	1	2	7	7	2	2	4	2	2	41
280	475	448	524	596	573	395	45	519	497	567	499	518	520	770	605	528	519	518	687	6747

No. 6.

## Diseases by Towns, 1896.

Ages.								Months.												Total.
25-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not given.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
10	9	6	7	5	6	.....	...	11	10	12	7	3	5	27	31	17	13	15	10	161
21	32	23	15	24	8	3	.....	19	16	15	18	19	18	21	11	12	16	14	18	197
19	26	33	37	51	48	14	1	24	40	35	26	34	16	32	26	37	32	36	50	388
1	2	1	.....	.....	42	52	2	19	26	17	15	18	11	19	30	20	17	15	16	223
4	3	4	1	2	2	2	.....	.....	2	4	.....	3	2	3	7	5	.....	1	2	29
.....	.....	.....	2	.....	.....	.....	1	.....	.....	.....	.....	.....	1	.....	.....	2	.....	1	.....	4
55	72	67	62	82	106	71	4	73	94	83	66	77	53	102	105	93	78	82	96	1002

TABLE

Recapitulation by Classes of Diseases in the Smaller Towns

Cause of death.	Sex.			Nativity.			Social condition.			Ages.					
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	Under 1 yr.	1-5.	5-10.	10-15.	15-20.	20-25.
Zymotic diseases. ....	228	239	1	404	57	7	344	50	74	171	89	45	17	16	12
Constitutional diseases. ....	301	412	....	480	216	17	182	219	312	34	14	7	12	57	75
Local diseases. ....	617	580	....	765	396	36	427	280	490	195	100	42	25	36	35
Developmental diseases. ....	363	303	4	412	244	14	355	136	179	350	....	....	....	1	4
Violent deaths. ....	159	31	....	122	53	15	54	12	124	6	14	12	11	17	14
Cause not specified. ....	31	26	....	43	13	1	25	5	27	1	12	4	4	3	4
Total. ....	1699	1591	5	2226	979	90	1387	702	1206	757	229	110	69	130	144

No 7.

not given in Detail in the Appendix, but included in Table V.

Ages.								Months.												Total.
25-30.	30-40.	40-50.	50-60.	60-70.	70-80.	80 and over.	Not given.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
18	15	15	13	20	22	8	7	25	26	27	22	23	20	70	95	62	25	38	35	468
75	93	81	88	106	48	15	8	50	49	55	58	55	58	74	64	57	68	57	68	713
48	78	85	104	184	176	67	22	89	105	122	107	93	78	74	113	100	88	103	125	1197
4	8	2	....	....	131	167	3	28	54	53	48	32	52	66	84	66	60	68	59	670
13	27	19	20	18	9	6	4	8	9	12	14	12	13	28	32	14	22	16	10	190
5	5	4	7	4	....	....	4	3	7	4	6	3	6	3	3	6	4	8	4	57
163	226	206	232	332	386	263	48	203	250	273	255	218	227	315	391	305	267	290	301	3295



TABLE 8.

Showing the Death-rate per 1,000 of Population in each County of the Province for ten years.

Counties.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	Average rate per county for ten years.
Algonia .....	12.3	7.4	9.7	11.9	9.6	9.6	9.1	10.9	9.8	12.1	10.5
Brant .....	14.0	11.2	12.7	12.3	10.5	11.4	11.3	10.4	12.1	12.3	11.8
Bruce .....	8.3	7.7	7.4	7.1	8.3	8.3	8.3	8.7	7.9	9.7	8.2
Carleton .....	17.5	19.6	18.2	18.4	8.9	13.6	15.5	16.9	17.7	17.9	16.4
Dufferin .....	12.5	9.1	9.7	10.0	10.8	9.6	8.9	7.3	7.9	8.0	9.4
Elgin .....	9.7	11.4	9.2	9.9	9.2	9.1	9.9	8.5	10.2	10.1	9.7
Essex .....	14.4	15.8	12.1	12.5	12.0	12.2	11.9	11.6	12.0	12.6	12.7
Frontenac .....	12.8	10.2	15.9	15.7	13.7	14.5	12.4	11.1	11.2	13.3	13.1
Grey .....	8.1	7.6	7.0	7.3	7.4	7.7	7.7	7.8	8.1	9.7	7.9
Haldimand .....	8.8	10.0	8.5	6.7	8.2	10.3	6.6	9.5	8.4	7.7	8.4
Halton .....	8.1	9.4	8.6	8.9	9.3	9.9	9.0	8.7	8.9	9.2	9.0
Haliburton .....	...	7.3	...	...	8.0	9.2	8.6	8.2	10.7	12.4	...
Hastings .....	11.0	10.7	10.7	10.6	8.3	8.9	9.0	7.9	9.2	11.2	9.7
Huron .....	8.0	7.5	7.3	7.4	8.2	8.5	9.1	7.4	7.7	8.3	7.9
Kent .....	10.0	9.0	8.6	8.3	8.4	8.7	8.7	9.3	9.2	9.8	9.0
Lambton .....	9.7	9.8	9.5	9.1	8.1	8.4	9.1	8.0	7.6	8.6	8.8
Lenark .....	9.8	9.2	8.4	8.9	6.6	7.4	7.6	8.9	6.9	10.2	8.4
Leeds and Grenville .....	8.0	8.9	8.2	8.8	7.1	7.2	8.2	6.5	7.3	10.9	8.1
Lennox and Addington .....	8.4	7.4	9.4	7.3	10.1	7.7	7.0	10.2	6.8	9.4	8.3
Lincoln .....	11.8	13.1	11.4	12.8	10.9	14.3	11.4	13.0	13.1	12.2	12.4
Middlesex .....	10.7	10.4	10.4	11.6	8.9	10.9	10.1	10.0	9.6	8.7	10.1
Muskoka and Parry Sound .....	11.4	10.0	9.1	10.2	5.8	7.3	7.0	7.3	6.6	8.8	8.3
Norfolk .....	7.1	8.7	7.3	8.1	8.5	9.5	8.2	8.1	9.2	9.4	8.4
Northumberland and Durham .....	8.7	8.8	8.1	9.9	10.7	10.1	9.7	10.5	9.9	10.1	9.6
Ontario .....	9.7	10.0	9.3	9.4	9.8	11.0	10.3	10.0	9.8	10.2	9.9
Oxford .....	10.6	11.3	10.9	11.1	9.7	11.4	10.9	10.9	10.3	11.3	10.8
Peel .....	11.4	11.0	9.2	7.8	7.7	7.5	7.9	7.8	7.1	9.4	8.6
Perth .....	9.0	8.4	8.3	8.2	8.9	9.1	8.1	8.9	9.0	8.8	8.6
Peterborough .....	9.7	10.6	10.6	11.4	11.1	12.1	10.8	12.6	10.4	11.2	11.0
Prescott and Russell .....	14.9	13.1	14.3	14.3	10.6	12.9	11.7	14.9	11.7	13.1	13.1
Prince Edward .....	10.1	11.4	10.1	11.3	11.1	11.5	11.6	12.8	9.7	13.8	11.3
Renfrew .....	8.5	8.2	8.8	7.2	7.7	9.5	9.6	10.6	9.9	12.2	9.2
Simcoe .....	7.9	8.0	8.0	6.4	8.1	8.1	8.2	9.3	7.4	10.7	8.2
Storvont, Dundas and Glen- garry .....	8.1	5.5	8.8	9.2	8.5	8.9	8.8	7.3	7.8	9.0	8.2
Victoria .....	9.0	7.7	9.1	7.7	9.9	10.9	10.0	9.7	9.0	9.8	9.2
Waterloo .....	11.2	14.2	11.1	11.9	11.6	10.5	9.9	9.9	10.1	10.1	11.0
Welland .....	9.0	10.9	11.1	9.4	12.4	10.5	11.1	9.5	11.0	12.1	10.7
Wellington .....	8.6	9.1	10.0	9.2	10.1	10.6	9.8	10.3	9.5	9.5	9.6
Wentworth .....	16.3	15.8	15.1	14.4	13.2	11.7	13.1	12.5	12.7	13.2	13.8
York .....	20.2	19.3	19.0	16.3	15.9	16.4	16.1	13.1	13.2	12.4	16.2
Average rate .....	11.5	11.0	10.7	11.1	10.2	10.7	10.6	10.3	10.1	10.9	10.7

TABLE No. 9.

The Ten Highest Causes of Death in 1896, and other Special Diseases.

Counties.	Phthisis.	Pre-natal per- iod.	Old age.	Pneumonia.	Diphtheria.	Cholera infan- tum.	Valvular dis- eases.	Paralysis.	Typhoid fever.	Convulsions.	Eronchitis.	Wounds and accidents.	Measles.	Whooping cough.	Scarlatina.
	No. of deaths.	No. of deaths.	No. of deaths.	No. of deaths.	No. of deaths.	No. of deaths.	No. of deaths.	No. of deaths.	No. of deaths.	No. of deaths.	No. of deaths.	No. of deaths.	No. of deaths.	No. of deaths.	No. of deaths.
Algoma .....	42	120	17	48	11	29	12	9	9	25	8	22	...	2	...
Brant .....	47	67	51	34	11	19	16	19	11	7	9	6	1	3	...
Bruce .....	58	59	89	43	24	30	26	26	16	19	17	21	1	4	1
Carleton .....	152	266	98	78	82	84	47	47	23	118	30	26	1	11	13
Dufferin .....	19	17	22	16	12	7	7	13	1	2	2	7	...	3	...
Elgin .....	58	29	64	30	33	16	17	18	14	17	2	15	...	3	1
Essex .....	87	122	71	52	48	21	26	22	22	9	11	10	1	4	4
Frontenac .....	81	47	82	44	38	18	20	46	19	18	15	15	...	2	...
Grey .....	62	65	105	30	27	21	41	24	24	21	18	11	1	6	6
Haldimand .....	28	12	19	7	5	3	8	17	5	7	2	2	...	1	...
Halton .....	18	28	37	11	4	3	9	11	4	6	3	10	...	2	1
Haliburton .....	6	6	9	3	12	...	3	2	...	6	1	2	1	...	3
Hastings .....	74	27	93	57	32	27	25	18	22	11	5	16	...	3	3
Huron .....	60	44	78	50	22	7	27	20	10	19	19	10	3	5	1
Kent .....	70	55	49	39	15	42	23	27	13	20	9	19	...	12	1
Lambton .....	51	39	46	40	34	25	23	12	8	17	12	3	...	3	2
Lanark .....	48	43	58	23	14	8	18	18	6	7	5	9	...	1	3
Leeds and Grenville .....	108	41	78	74	24	22	38	24	11	4	6	16	...	1	...
Addington .....	29	21	39	11	5	8	7	11	2	2	3	8	1	1	...
Lincoln .....	42	34	38	37	8	15	20	17	15	9	5	13	1	1	...
Middlesex .....	109	61	117	59	14	26	50	32	14	17	23	22	...	5	1
Muskoka and Parry Sound .....	36	98	35	35	12	20	12	6	12	17	15	20	...	12	1
Norfolk .....	20	16	50	22	7	9	10	21	11	7	6	11	...	7	1
Northumberland and Durham .....	90	53	131	54	14	21	24	25	21	15	6	12	2	1	2
Ontario .....	62	33	60	36	14	10	20	11	17	11	10	17	1	4	...
Oxford .....	36	25	70	27	7	7	19	5	7	11	6	8	...	3	1
Peel .....	20	12	30	13	10	10	3	8	5	3	5	4	1	1	...
Perth .....	49	43	64	39	5	9	24	20	5	19	11	14	...	1	3
Peterborough .....	44	52	46	39	10	8	27	6	14	10	6	12	1	...	9
Prescott and Russell .....	58	131	46	5	69	13	18	13	11	6	4	6	7	1	7
Prince Edward .....	31	26	33	23	3	6	6	14	7	4	3	3	...	...	2
Renfrew .....	50	101	58	36	26	34	13	9	12	23	12	16	2	12	5
Simcoe .....	98	83	85	39	17	30	19	32	29	22	22	14	3	12	4
Stormont, Dundas and Glengarry .....	101	68	77	36	43	21	25	25	14	12	8	1	1	2	6
Victoria .....	33	35	37	17	17	9	13	16	11	8	6	7	...	1	6
Waterloo .....	51	40	49	32	14	23	24	22	15	23	19	9	2	5	1
Welland .....	38	36	39	36	13	7	19	24	12	11	13	9	1	...	...
Wellington .....	59	59	88	40	11	11	26	22	16	8	14	16	...	2	...
Wentworth .....	138	127	74	101	16	44	53	39	20	30	32	25	2	6	1
York .....	495	531	211	222	149	182	162	96	64	102	114	62	2	47	7
Totals .....	2,758	2,772	2,543	1,638	932	905	980	847	552	701	526	536	36	187	99

TABLE 10.  
Illegitimate Births, Twins and Triplets in the Province.

Illegitimate Births.		Ratio to 1,000 births.	Number of pairs of twins.	Number of cases of triplets.
No.	Proportion to whole number of Births.			
578	One to every 81 births .....	12.1	250	6

TABLE 11.  
Births in the Province in 1896, shewing the proportion of Male to Female Births.

Sex.	January.	February.	March.	April.	May.	June.	July.	August.	Septemb'r	October.	Novemb'r.	Decemb'r.	Total.
Males .....	1,722	1,768	1,972	1,899	2,129	2,003	2,260	2,294	2,267	2,125	1,948	1,955	24,342
Females .....	1,697	1,687	1,834	1,765	1,953	1,880	2,026	2,138	2,018	2,005	1,787	1,776	22,566
Totals .....	3,419	3,455	3,806	3,664	4,082	3,883	4,286	4,432	4,285	4,130	3,735	3,731	46,908
Male births to 100 female births. ..	101.4	104.8	107.5	107.5	109.0	106.5	111.0	107.2	112.3	105.9	109.0	110.0	107.8

TABLE 12.  
Order of Births by Months in the Province.

Months.	Males.	Months.	Females.	Months.	Total Males and Females.
August.....	2,294	August.....	2,138	August.....	4,432
September.....	2,267	July.....	2,026	July.....	4,286
July.....	2,260	September.....	2,018	September.....	4,285
May.....	2,129	October.....	2,005	October.....	4,130
October.....	2,125	May.....	1,953	May.....	4,082
June.....	2,003	June.....	1,880	June.....	3,883
March.....	1,972	March.....	1,834	March.....	3,806
December.....	1,955	November.....	1,787	November.....	3,735
November.....	1,948	December.....	1,776	December.....	3,731
April.....	1,899	April.....	1,765	April.....	3,664
February.....	1,768	January.....	1,697	February.....	3,455
January.....	1,722	February.....	1,687	January.....	3,419
Total.....	24,342	Total.....	22,566	Total.....	46,908



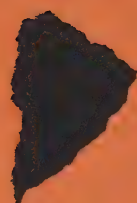
**TABLE 13.**  
**Marriages by Months in the Province.**

Months.	1895.	Months.	1896.	Quarters.	1895.	Quarters.	1896.
October .....	1,447	June .....	1,743	Quarter ending Dec. 31	4,051	Quarter ending Dec. 31	4,243
June .....	1,442	December ..	1,533	" " June 30	3,466	" " June 30	3,782
December ....	1,413	September .	1,468	" " March 31	3,279	" " March 31	3,450
September ...	1,289	October ....	1,383	" " Sept. 30	3,175	" " Sept. 30	3,408
January .....	1,197	January ....	1,296	Date not given .....	16	Date not given .....	21
November ....	1,191	November ..	1,277				
April .....	1,094	April .....	1,171				
March .....	1,042	March .....	1,087				
February .....	1,040	February ...	1,067				
July .....	996	July .....	1,050				
May .....	930	August .....	890				
August. ....	890	May .....	868				
No date given.	16	No date given	21				
<b>Total .....</b>	<b>13,987</b>	<b>Total ....</b>	<b>14,904</b>	<b>Total .....</b>	<b>13,987</b>	<b>Total .....</b>	<b>14,904</b>

**TABLE 14.**  
**Marriages by Denominations in the Province.**

Denominations.	Number of persons married.	Per cent. of whole.	Proportion to the whole number of persons married.
Methodists .....	10,535	35.3	2.8
Presbyterians .....	6,056	20.4	4.9
Church of England .....	4,576	15.3	6.5
Roman Catholics .....	4,576	15.3	6.5
Baptists .....	1,776	6.0	16.7
Lutherans .....	761	2.6	39.1
Congregationalists .....	266	.9	112.0
Evangelical Association .....	202	.7	147.5
Mennonites .....	144	.5	207.0
Quakers .....	44	.1	677.3
Other denominations .....	732	2.5	40.7
No denominations given .....	140	.4	212.8
<b>Total .....</b>	<b>29,808</b>	<b>100.00</b>	









# REPORT

RELATING TO THE REGISTRATION OF

# BIRTHS MARRIAGES AND DEATHS

IN THE

# PROVINCE OF ONTARIO

FOR THE

YEAR ENDING 31st DECEMBER

1897.

---

PRINTED BY ORDER OF

THE LEGISLATIVE ASSEMBLY OF ONTARIO

---



TORONTO.

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OFFICE OF THE REGISTRAR-GENERAL FOR ONTARIO,

TORONTO, December 1st, 1898.

To Sir OLIVER MOWAT, K.C.M.G.,

*Lieutenant-Governor of the Province of Ontario.*

MAY IT PLEASE YOUR HONOUR :

In compliance with the Statute in that behalf, the undersigned respectfully presents to Your Honour the Annual Report of Births, Marriages and Deaths for the year ending 31st December, 1897.

Respectfully submitted,

E J. DAVIS,  
Registrar-General.





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# REPORT

RELATING TO THE REGISTRATION OF

## BIRTHS, MARRIAGES AND DEATHS

IN THE PROVINCE OF ONTARIO, FOR THE YEAR  
ENDING DECEMBER 31st, 1897.

---

TORONTO, December 1st, 1898.

TO THE HON. ELIHU JAMES DAVIS.

*Registrar-General of the Province of Ontario.*

SIR,—I have the honor herewith to lay before you for consideration, the twenty-eighth annual report regarding births, marriages and deaths in the Province of Ontario, being for the year 1897.

### Population.

The population utilized as the basis of calculation for the several tables of the report, is estimated from the difference between the number of births and of deaths recorded for the year, by the 777 Division-Registrars.

The total births returned is, 47,323, and the total deaths 27,633, the difference giving an actual increase over 1896 of 19,690. This increase added to the assumed population of 2,263,492 in 1896, gives a population of 2,283,182, or an increase practically of one per cent. of population during the year. No attempt has been made to estimate the variation in the population due to immigration and emigration. Owing to the transportation of persons through Ontario, en route from Europe to the United States, by Canadian railways, and their passage tickets in Europe having often been sold to Canadian ports, the immigration returns give results which are little to be depended upon in calculating the increase of population from this source. Similarly the emigration from Ontario to Manitoba is liable to error owing to many young men going there to work in the spring, returning often in the autumn. The following returns relating to both immigration and emigration are given :

According to the report of the Minister of the Interior for 1897, the total immigrants arriving by ocean steamers in Canada, was 27,209. Of these, 19,304 had Canada as their destination, 9,709 of them settling in Manitoba, the North-West Territories and

British Columbia, leaving 9,595 for distribution to the other provinces. Making allowance for the emigration to the North-West of 455 settlers and assuming half of the 9,140 immigrants to have come to Ontario, there was an increase of 4,570.

From the imperfect data obtained from the Board of Trade returns in England, the Registrar-General there has assumed that, for practical purposes, it is preferable to calculate population from the difference between the births and deaths in any year, not attempting to estimate either the immigrants or emigrants. While manifestly this method cannot be adopted for such provinces as Manitoba, where there is a notable influx of settlers, yet in an old agricultural community as Ontario, it is probably true that the increase in the new mining and lumber districts is offset by emigration from the oldest counties where machinery and cattle-raising have lessened the need for agricultural laborers.

The total Municipal Registration Divisions in 1898 were.....	777
“ Division Registrars in organized municipalities “ .....	750
“ Division Registrars in unorganized areas “ .....	27
“ Division Registrars making returns “ .....	777

By the power placed upon the Registrar-General under the Act to appoint Division Registrars in unorganized territory, he has endeavored to have a Division Registrar appointed in every new group of settlements for convenience of registration, and so far as known, there is no single area in Ontario where local registration facilities are absent.

For the reasons given, it is apparent, that there will be an increase yearly of the areas of registration, and inasmuch as there is no municipal assessment in unorganized territory, its population reported upon, being based on the last census, cannot in any accurate manner be estimated. The only method possible has been to take populations from the municipal assessment, and by assuming the vital statistics for any neighboring unorganized territory to have the same relation to population, we may calculate from the returns the probable average population.

### Completeness of Returns.

Practically the whole population of the Province being within some registration division, the accuracy of the statistics, assuming that the estimated population is correct for the whole Province, will depend upon the completeness of the returns made by each registrar. The year 1897 is the first complete year for which returns have been made under the Act, as revised and consolidated in 1896. The various provisions made under the Act, with a view to improving the returns, have been referred to in the last two Annual Reports.

The operation of the Act is seen by a comparison of returns for the several years, 1892-1897.

Year.	Births.	Marriages.	Deaths.	Total.
1892.....	42,176	14,482	23,120	79,778
1893.....	42,894	14,475	22,903	80,292
1894.....	42,051	14,341	22,538	78,930
1895.....	41,628	13,987	22,461	78,076
1896.....	46,908	14,904	24,857	86,669
1897.....	47,323	15,293	27,633	90,249

While it must be remembered that the number of registration divisions has been increased since 1892, yet many of these had been already added in 1895, when the total returns were slightly less than in 1892. The notable increase in the total returns



in 1897 may, therefore, be fairly attributed to the better provisions of the new Act for obtaining returns. As compared with 1895, it will be seen from the previous tables, that the several increases are:—

Births .....	5,695	13.7 per cent.,	or a total rate of 20.6 per 1,000.
Marriages.....	1,306	9.2     "     "	6.7     "
Deaths.....	5,172	23.0     "     "	12.2     "
Total.....	12,173	or 15.3 per cent.	

These results of the first complete year under the operation of the revised Act must be considered remarkable, as illustrating what is possible, when a practical scheme is put in operation, wherein, with exactness of detail in the definite legal requirements of the Act, every possible facility has been given, whereby the provisions of the Act may be carried out with no inconvenience or irksomeness to a single member of the community. The principal provisions of the revised Act whereby these results have been effected may be recalled.

1st. That whereby physicians, as well as householders, are required to report births.

2nd. That requiring clergymen to make a half-yearly return of all marriages celebrated by them during the previous half-year, as well as the monthly return of each marriage.

3rd. The clause in the Marriage Act, requiring issuers to forward to the Registrar-General, the particulars of every license issued by them.

4th. The prohibition of all funerals until a burial permit has been issued by the Division-Registrar, which can only be done after registration of the death.

5th. The privilege of sending all blank forms free through the mails, and the supplying of post-card blanks of every kind, with envelopes for free transmission by the local registrars to clergymen, physicians and householders.

6th. The increase of the fee to Division-Registrars for each registration return.

7th. That whereby a Burial permit may be issued, in the case of townships, by the nearest Division-Registrar, the original return being sent to the proper Division for registration.

8th. That whereby a clause requires Division Registrars to make monthly returns of all deaths from contagious disease occurring during the previous month.

That the working of the Act has proved, in a large measure, satisfactory, may be gathered not only from the increased returns, but also from the comparatively few enquiries made during the year regarding the meaning of clauses of the Act, and the absence of complaints as to their irksomeness.

Not only, however, are the returns larger, as already seen, but they are also more complete than ever as regards the particulars asked for. Indeed, it is now the exception to find an incomplete return, and the omission is generally in some unimportant item, not readily obtainable by the Division-Registrar.

In one point only is it believed that the returns are otherwise than practically complete, and this is the return of births. While the provision requiring physicians to report births has been a most important means of improving the returns, yet there is no doubt from a close examination and comparison of returns, that births in some municipalities are yet by no means complete. By examining returns of Division Registrars who are known to take advantage of every known means to obtain complete returns, it is found that births stand to deaths, practically as two to one. Again, it will have been noticed that since a burial can legally take place only on a burial permit, and as a death is a matter of general knowledge, and not readily overlooked, the percentage of increase in deaths, with no general increase of sickness, but rather the opposite, has amounted to 23 per cent., whereas births have increased but 13 per cent.

Moreover, in a certain proportion of cases where, amongst the poor, and in outlying settlements, no physician has been in attendance at a birth, there will be in such cases, doubtless, a frequent neglect on the part of householders to register births. It is readily possible, however, to determine where such omissions are habitual, and it is found to be principally in those municipalities where the Division-Registrar is not allowed the legal fee for each registration; the council having commuted his fees, he agreeing, doubtless under protest, to perform all the duties of clerk for a fixed sum.

The following instances illustrate this point :—

Toronto .....	Total births 4,078	Total returns by physicians 856 or 21.0 per cent.
Hamilton .....	" 969	" " about 20 "
Ottawa .....	" 1,273	" " 314 or 24.7 "
London .....	" 352	" " 27 or 5.0 "
Kingston .....	" 356	" " 120 or 34.1 "
Brantford .....	" 408	" " 6 or 1.0 "
St. Thomas .....	" 221	" " 2 or 1.0 "
Guelph .....	" 259	" " 10 or 3.8 "
St. Catharines....	" 200	" " 44 or 22.0 "
Belleville .....	" 151	" " 22 or 4.0 "
Stratford .....	" 134	" " 21 or 10.6 "
Windsor .....	" 237	" " 20 or 8.5 "
Chatham .....	" 199	" " 22 or 11.0 "

To the great credit, however, of the municipal clerks, it would seem that many, in spite of the fact that they are deprived of what the Legislature has specially stated they are entitled to, faithfully perform their duties as Division-Registrars. It is hoped that the difficulty may in some manner be overcome by legislation. If then, the percentage of increase, actually obtained in the returns of deaths, be applied to births, and it is probable it should be more rather than less, there would be some 4,000 births added to the returns, or a total of 51,500 would have been recorded. If, however, the investigation, which has been already referred to, in the larger centres as in several cities shows an extended neglect, it is quite probable that even this increase should be further added to, in order that the true birth-rate of the Province may be arrived at. It may further be stated that from 307 replies sent in answer to a circular to Division Registrars thirty, or ten per cent. state their fees are commuted; and in many others are practically so, since the salary as the clerk is reduced.

### Movement of population in Ontario.

Remembering that the settlement of Ontario has taken place almost wholly within the past 100 years, it is manifest that conditions of settlement have made it impossible to make comparative studies in any close degree comparable to those which can be made between districts in old countries, as England or France, which have been settled for hundreds of years. Not less interesting, however, is the study of the statistics which are available, such as the census returns, since new influences are seen operative, in some ways different from those in the older countries of Europe. Especially are such seen where settlements rapidly spring up, as now may be seen in the new mining camps of British Columbia, and as formerly occurred in Ontario, where the lumbering industry in the new agricultural communities, at first formed a large portion of the business of many countries.

Not only did such industries greatly influence the movement of population in what was then Upper Canada, but they were repeated decade after decade in successive countries as such were opened up for settlement.

Owing to the fact of the frequent redistribution of population into electoral districts with different boundaries, it has been difficult to make accurate comparisons of all the counties as they now exist, but the following table for three periods taken from the census returns for 1851 and 1881 along with the population used as the basis of this report, show in an interesting manner the movement of population in Ontario.

*Table of Population for Counties from Census of 1851, 1881 and for 1897 based on 1891 Census.*

Counties.	1851.	1881.	1897.
Algoma	not settled.	26,104	46,734
Brant (cities included)	25,426	33,869	38,722
Bruce	2,837	64,403	60,642
Carleton	23,367	58,876	82,474
Dufferin	(then included in Wellington & Simcoe	22,093	23,632
Elgin	25,418	42,361	46,087
Essex	16,817	48,049	50,017
Frontenac	19,150	40,384	49,948
Grey	10,413	70,539	75,667
Haldimand	18,788	24,980	24,903
Halton	18,322	21,919	23,357
Hastings	31,977	45,545	62,880
Haliburton	not settled.	5,911	6,742
Huron	19,188	76,526	70,955
Kent	17,469	54,310	62,368
Lambton	10,815	52,034	58,358
Lanark	27,317	33,975	40,082
Leeds and Grenville	50,987	61,175	64,693
Lennox and Addington	23,120	26,484	26,295
Lincoln	23,868	31,573	31,959
Middlesex	32,863	93,111	108,334
Muskoka and Parry Sound	not settled.	27,204	17,606
Norfolk	21,281	33,527	32,927
Northumberland and Durham	61,961	77,388	74,867
Ontario	30,576	48,812	48,190
Oxford	32,638	50,159	52,964
Peel	24,816	26,175	26,423
Perth	15,545	45,454	54,949
Peterborough	15,237	30,472	37,514
Prescott and Russell	13,357	35,937	45,115
Prince Edward (cities included)	18,887	21,044	20,065
Renfrew	9,415	38,166	48,832
Simcoe	27,165	74,803	76,212
Stormont, Dundas and Glengarry	46,050	66,017	74,096
Victoria	11,656	33,655	35,051
Waterloo	26,537	42,740	53,633
Welland	20,141	31,771	32,544
Wellington	26,796	64,632	63,151
Wentworth	28,507	66,952	83,780
York	48,944	153,113	298,268

Excepting Wellington and Waterloo, which were first opened for settlement about 1825, the other of the following counties had, excepting Kent, made great progress in settlement, by the census year 1851. Especially had settlement been rapid between 1840 and 1850, as may be seen from the following figures of population in Upper Canada in different years :

*Population of Ontario in different Years.*

1840	427,441	1861	1,396,091
1841	465,357	1871	1,620,851
1842	486,055	1881	1,923,228
1848	723,322	1891	2,114,321
1851	952,004	1897	2,283,182

It will be seen that as between 1840-51, the population increased over 100 per cent, and that some of the counties—as Brant, Lincoln, Prince Edward—were completely settled in 1851, as an increase since then has been wholly in the county towns ; the rural population being actually less than in 1851. This loss was apparently in Brant, 5,234 in 1891 ; and in Prince Edward, 3,434 in 1891. Such illustrations serve to illustrate what an unstable thing population in a new country has been. From the enormous increase of



population in the decade 1840-50, it is manifest that the influences affecting the population were external to the Province. Economic causes, as the depression of agriculture in Britain and the Irish famine, played an important part in the settlement of Upper Canada at that time, and such influence was doubtless greatest in those counties already partially settled. That during the past three decades, there should have been in such counties a successive decline of the population, is a phenomenon, the causes of which it is here not necessary to discuss at length; but it is important, as indicating a condition, which in succeeding decades, has likewise been operative in other counties, where a general settlement followed at a period later than in these oldest counties.

Thus Perth, Huron, Bruce, Grey, Simcoe, etc., are counties where settlement became general only at a time when the oldest counties were practically filled up.

The following figures illustrate the fact:

	1851.	1861.	1871.	1881.	1891.
Perth .....	15,545	38,083	46,536	54,985	46,307
Huron .....	19,198	51,954	66,165	76,970	58,173
Bruce .....	2,837	27,499	48,515	64,774	64,603
Grey .....	10,413	37,750	59,395	74,129	76,238
Simcoe .....	27,165	44,720	57,389	76,129	84,828

Again, a later movement of population went on, when the *free grant* lands of Muskoka, Parry Sound, Haliburton, Victoria, Hastings and Renfrew, were opened up, after Confederation, and settlement began about 1870; and finally there has been a widening of this movement during the last fifteen years, since the Canadian Pacific Railway opened up the country from Pembroke to Rat Portage.

From the statistical standpoint, these successive movements of population are of extreme importance, in enabling us to study intelligently, those vital conditions which affect very markedly, the rates of births, deaths and marriages.

As an illustration of what is meant, Dr. John Tatham, in the supplement to the 55th annual report of the Registrar-General of England, in a special study of the deaths for 1881-90, says, "It is therefore futile to compare the crude death rates of different districts, unless their populations are known to be alike with respect to age and sex constitution," and illustrates the fact by taking the populations of Norfolk and Lancashire from the census of 1891, and points out the difference in the age distribution. Thus:—

	Per 1,000 population.	
	In Norfolk.	In Lancashire.
Under 15 years of age.....	353	352
15 and under 45 years.....	410	479
45 and upwards.....	237	169

Owing to the different distribution of these two populations, as regards rural and urban residence, and the difference in occupation, it will be seen that the number of persons in Norfolk, over 45 years of age, is 68 more than in Lancashire. As the average death-rate in persons over 45 was over four times as great as under that age it is plain that no close comparison of the total mortality, or crude death rates, in such cases can be made.



Yet still another illustration of this movement of population and its different distribution according to age periods may be taken from the Report on Vital Statistics of Ireland for 1897. In 1897, the returns for Ireland, give births 106,664, and deaths 83,839, or a natural increase of 22,825. As there were 32,535 emigrants recorded, there was, unless made up by an immigration, of which no record has been kept, a loss of population of nearly 10,000. While the greatest average marriage rate was 5.03 per 1,000 in 1897, that in the province of Connaught, including the counties of Galway, Leitrim, Mayo, Roscommon and Sligo, average only 3.3 per 1,000, and the average birth rate but 20 per 1,000.

Or to take another return depending upon conditions, comparable to that in at least several of our old counties, from the report of the Registrar-General of Scotland, 1897, it is found that while in the group of districts known as the Insular Rural, the census of 1881 gave a population of 130,388; this was decreased to 123,163 in 1896. Not only is this decline very remarkable, amounting, in spite of the natural increase of births over deaths, to 7,225 between 1881-1896, but the excess of females over males, which was in 1881, 8,030 in the 130,388, had increased 601 in 1896. As would be supposed, the birth rate shows an intimate connection with these figures. Thus, while the birth rate for all Scotland in 1896, was 30.9 per 1,000, and that in the principal town districts, was 32.5 per 1,000—that in the Insular Rural district was but 22.7 in 1896—with an illegitimate rate of 6.65 per cent. of all births, rising in one county to 14.61 per cent. of all births.

*Table of Age (percentage), Distribution of Population in 1,000,000 Persons in England and Wales, 1881-1890; in United States in 1890 Census, and in Ontario, 1891 Census.*

All ages.	England.		United States.		Ontario.	
	Reduced to rate per 1,000,000	Per cent.	Population in 1890, 62,622,190.	Per cent.	Population in 1891, 2,114,321.	Per cent.
0-4 .....	128,679	12.8	7,634,693	12.19	239,847	11.34
5-9 .....	119,006	11.9	7,573,998	12.09	246,610	11.65
10-14 .....	109,571	10.00	7,033,509	11.23	243,277	11.50
15-19 .....	100,097	9.00	6,557,563	10.47	232,073	10.97
20-24 .....	90,006	14.8	6,196,676	9.90	219,983	10.40
25-34 .....	148,630	11.4	9,806,407	15.66	325,520	15.39
35-44 .....	114,039	8.4	7,051,679	11.26	226,064	10.69
45-54 .....	84,950	5.8	5,057,802	8.07	164,952	7.80
55 and over. ....	101,598	10.4	5,709,823	9.13	216,052	10.83

This comparative table illustrates the fact above alluded to, that with but little immigration in a population like that in a rural district in England, Ireland and Scotland, the births are proportionately lower, and hence the percentage of persons living in the age period 0-4 is 1.5 per cent. lower in Ontario than in England, and 0.8 than in the United States.

### Births.

In a previous paragraph some of the causes which have been operative in producing not only variations in the comparative birth rate of different counties in Ontario have been pointed out, but by comparative illustrations it has been shown that in every country, where similar influences have been operative, there are districts in which the birth rate is abnormally low. In view, however, of public attention having been called to the low recorded birth rate of Ontario, taken as a whole, not only in previous reports of the Registrar-General, but also owing to the matter having during the past year been referred to in a

resolution adopted by the Montreal Synod of the Church of England, deploring the fact; and inasmuch as strongly worded articles on the subject have appeared in the daily press, it seems proper that the Registrar-General should present as many statistical facts bearing on the matter as are available in order that any inferences as to the causes for this low birth rate may be based upon extended data.

The following grouping of Ontario counties, classified as far as practicable on the basis of the periods of their settlement presents facts of interest regarding the birth rate, it always being remembered that the returns are to some extent defective. It will be remembered that early settlement was naturally along the great rivers and lakes. The inland counties and townships of older counties belong largely to the later railroad building period. The several large cities are included in their counties, and thus make several old settled counties, as York, Wentworth and Middlesex show large increases in their later periods.

*Table from Census of 1851, giving Birth rate per 1,000 population.*

<i>St. Lawrence and Lake Ontario Counties.</i>		<i>Lake Huron Counties</i>	
GROUP 1.		GROUP 8.	
Glengarry .....	19.7	Huron .....	45.9
Dundas .....	42.6	Bruce .....	37.7
Stormont .....	23.5	Grey .....	41.0
Grenville .....	40.5	Simcoe .....	35.1
Leeds .....	21.4		
GROUP 2.		<i>River Ottawa Counties.</i>	
Frontenac .....	36.0	GROUP 9.	
Lennox .....	31.1	Carleton .....	42.7
Addington .....	32.4	Prescott .....	33.3
Hastings .....	35.0	Russell .....	42.1
GROUP 3.		<i>Eastern Inland.</i>	
Prince Edward .....	35.5	GROUP 10.	
Northumberland .....	41.4	Victoria .....	31.4
Durham .....	30.7	Peterboro' .....	32.1
Ontario .....	38.0	Renfrew .....	34.9
GROUP 4.		Lanark .....	28.0
York .....	37.9		
Peel .....	30.5		
Halton .....	22.1		
Wentworth .....	30.8		
<i>Niagara Peninsula.</i>		<i>Western Inland.</i>	
GROUP 5.		GROUP 11.	
Welland .....	31.4	Brant .....	34.7
Simcoe .....	40.0	Oxford .....	37.2
Haldimand .....	39.8	Middlesex .....	34.5
<i>Lake Erie Counties.</i>		Perth .....	37.0
GROUP 6.		Waterloo .....	40.5
Norfolk .....	31.2	Wellington .....	32.1
Elgin .....	35.2	Dufferin (included in Wellington and Peel) ..	
<i>Western Peninsula.</i>		<i>New Settlements since 1871.</i>	
GROUP 7.		*Algoma (pop. 46,272) .....	35.8
Kent .....	34.0	*Muskoka and Parry Sound (pop. 55,118) ..	28.8
Essex .....	41.7	*Haliburton (pop. 6,676) .....	21.5
Lambton .....	30.4		

\*No exact estimate of population possible.

We have, however, yet another table which is instructive as bearing upon the completeness with which births have been reported, and it is based upon the proportion of instances where the physician is reported as being present at a birth. Those instances where no physician is reported in attendance form in the newer counties a notable percentage of all returns.

*Table of Births in 1897, giving number returned without Physicians in attendance, or where Midwives were in attendance.*

Counties.	No physician.	Midwives.	Total births.	Counties.	No physician.	Midwives.	Total births.
Algoma .....	476	91	906	Northumberland and Durham.....	91	21	1,264
Brant .....	24	10	771	Ontario .....	73	24	903
Bruce .....	304	91	1,467	Oxford .....	48	1	1,037
Carleton .....	410	.....	2,088	Parry Sound .....	369	21	731
Dufferin.....	118	1	450	Peel .....	36	1	394
Elgin .....	52	2	801	Perth .....	107	33	1,010
Essex .....	280	50	1,565	Peterborough .....	178	53	890
Frontenac .....	139	52	917	Prescott and Russell....	511	110	1,571
Grey .....	424	27	1,481	Prince Edward .....	13	3	318
Haldimand .....	42	.....	415	Rainy River.....	47	2	199
Halton .....	19	2	420	Renfrew.....	762	184	1,526
Haliburton .....	151	42	230	Simcoe .....	310	16	1,717
Hastings .....	234	57	1,226	Stormont, Dundas and Glengarry.....	207	14	1,410
Huron .....	177	2	1,275	Thunder Bay .....	30	.....	216
Kent .....	221	9	1,402	Victoria.....	122	21	692
Lambton .....	159	10	1,231	Welland .....	43	9	652
Lanark .....	112	24	752	Waterloo .....	72	74	1,195
Leeds and Grenville ....	40	2	1,122	Wellington .....	88	9	1,145
Lennox and Addington.	39	56	453	Wentworth .....	41	37	1,527
Lincoln .....	32	.....	616	York .....	176	82	5,549
Middlesex .....	46	27	1,565				
Muskoka .....	293	48	600				
Nipissing .....	530	70	966	Total .....	*7,794	1,388	47,323
Norfolk .....	148	.....	658				

\*Thus 16.4 per cent of the whole are returned as giving no physician in attendance, while in Toronto the percentage is but 2.5 per cent.



The following table of municipalities in Algoma shows the wide distribution of the population and of the 447 births recorded, there being 23 registration divisions and several of these include a number of unorganized townships in each. They are extended over an area of some 2,500 square miles :

*Births in the municipalities of Algoma in 1898 where no physician was reported in attendance at Births.*

	Total number.	Number without physician.
Assignack .....	11	3
Bruce Mines.....	9	3
Billings .....	10	10
Burpee.....	3	3
Canarvon.....	8	6
Cockburn Isl .....	2	2
Chapleau.....	30	14
Day Mills.....	32	17
Gore Bay .....	18	1
Gorlon .....	2	2
Howland .....	14	9
Hallam .....	35	2
Johnstone Tp .....	12	6
Little Current .....	13	1
McDonald Tp .....	6	5
Manitoulin Isl., Unorganized .....	16	14
Massey Station .....	20	15
Nairn Hyman .....	21	7
Plummer A .....	8	1
Rayside .....	24	3
Sault Ste. Marie.....	63	11
“ Tp.....	8	3
Thessalon Village .....	54	16
Tehkumnah .....	18	16
Thessalon Tp .....	10	6
	447	181

These two tables are new and are of unusual interest, from the standpoint of social evolution, as giving an accurate idea of the appreciation in which the practice of medicine is held in the province, of the advance of settlement and of the availability of medical men in the different new districts and the financial ability of the people to employ their services. For practical purposes it may be assumed, since the Division Registrars are required to make their returns as complete as practicable, that no physician was employed in those instances where no physician's name is entered in the returns. Thus, in York with 5,549 births returned, there was but 3.5% where no physician was present. On the other hand, in Renfrew, there were 50% of cases where no physician was returned, and practically the same percentage in Algoma. In the whole province there were 16.4% of cases not attended by a physician. What a great assistance the physicians may be in securing complete returns is amply illustrated by these returns; and how much neglected this duty has been in some places is seen by the results of investigation in the cities already referred to.

Another point of interest as bearing most directly on the birth-rate is obtained from the following table, giving the population of some towns and villages in successive periods. In the column for 1897, the population is that taken from the assessment returns for 1896. The birth-rate in such as are stationary or decreasing in population



is illustrated. The low rate in such simply indicates that those persons of a marriageable age, notably the young men, have migrated, as may be proven by reference to the low marriage-rate in such municipalities, or to imperfect returns.

*Populations of some towns and villages where population has increased slowly, with the birth rate in 1897.*

Towns or villages.	Population, 1871.	Population, 1881.	Population, 1891.	Assessment population, 1896.	Birth rate per 1 000 in 1897.
Amherstburg	1,936	2,672	2,279	2,171	13.8
Sandwich	2,151	1,143	1,352	1,263	32.5
Bothwell	995	965	897	843	33.2
Vienna	593	528	398	367	24.5
Strathroy	3,232	3,817	3,316	2,946	19.0
Port Dover		1,146	1,213	1,285	16.9
Port Rowan			649	642	10.9
Ingersoll	4,022	4,318	4,191	4,538	29.0
Cayuga	803	880	822	1,116	18.8
Dunnville	1,452	1,808	1,776	1,897	15.0
Port Colborne	988	1,716	1,154	1,148	21.8
Fort Erie	835	722	934	908	26.0
Welland	1,110	1,870	2,035	1,923	15.0
Thorold	1,335	2,456	2,273	2,104	20.0
Port Dalhousie	1,081	1,129	879	1,002	18.9
Goderich	3,954	4,564	3,839	3,766	16.2
Clinton	2,016	2,606	2,635	2,451	19.6
Seaforth	1,368	2,480	2,641	2,411	16.5
Kincardine	1,907	2,876	2,631	3,029	10.5
Southampton	858	1,141	1,437	1,570	25.5
Port Elgin		1,400	1,659	1,342	17.8
St. Marys	3,120	3,415	3,416	3,171	18.9
Mitchell	1,802	2,284	2,101	2,152	18.0
Listowell	976	2,688	2,587	2,516	24.4
Elora	1,498	1,387	1,304	1,370	18.2
Fergus	1,660	1,733	1,598	1,660	17.2
Palmerston		536	2,006	1,987	25.6
Mount Forest	1,370	2,170	2,214	2,437	9.0
Harrison		1,772	1,687	1,809	14.9
Oakville	1,684	1,710	1,823	1,900	21.1
Milton	891	1,302	1,450	1,400	25.0
Aurora	1,132	1,540	1,743	1,700	14.7
Newmarket	1,760	2,006	2,143	2,134	15.0
Port Perry		1,800	1,698	1,506	10.6
Whitby	2,732	3,140	2,786	2,548	20.0
Oshawa	3,185	3,992	4,066	4,008	23.9
Bowmanville	3,034	3,504	3,377	2,925	22.2
Newcastle	1,109	1,060	787	596	18.4
Port Hope	5,114	5,585	5,042	4,607	24.0
Millbrook		1,148	971	960	22.9

From these several tables the following facts may be summarized :

1st. That the older the settlement of any county, or the earlier the period at which an agricultural district was filled up with population the less the present relative number of settlers, in those periods of life during which children are born, in comparison with the number of population, and if this population be not increased, the lower, proportionately, will be the birth rate, and the greater the number of deaths relatively of persons in the later periods of life. To illustrate the point the following table gives the number of deaths at different age periods in two counties and two towns. Renfrew has increased rapidly, while Prince Edward has rather decreased ; Belleville city has remained stationary, while Owen Sound has notably increased.

*Percentage of deaths by age periods in certain counties and towns.*

	Under 1 yr	1 year.	2 years.	3 years.	4 years.	5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 and over	Not given.
Renfrew County.....	24	5	3	2	3	3	2	3	6	5	2	3	2	2	5	8	8	9	1
Prince Edward County.....	16	4	2	1	2	3	2	2	1	3	3	2	3	2	5	12	23	16	
Belleville .....	20	5	1	0.5		2	2	3	3	9	3	6	2	2	4	11	17	9	
Owen Sound .....	21	3	2	3	1	2	2	3	5	3	3	5	5	3	9	9	7	8	

2nd. That as seen in Table I in the more newly settled counties, as Bruce, Simcoe, Muskoka, and Parry Sound, the birth rate is decidedly higher.

3rd. That in the most recently settled districts of Algoma, Nipissing and Rainy River the birth rate, even though necessarily incomplete, is high.

4th. That in certain cities the birth rate is lower than in others, and it is seen to be always lower in those where population has become more or less stationary, and where the age at marriage both of males and females is proportionately higher than where population is increasing rapidly by immigration, as is well seen in the subsequent paragraph relating to marriages.

Such are some of the principal conclusions which, as have been stated, are fully borne out by the data supplied in the tables.

We have, however, to deal with other facts which are obtained from the returns, and from such data as are obtainable from the assessment returns. There are in Ontario a number of cities which during the last nine years have shown a large increase in population, such as Toronto, Ottawa, Hamilton, London, Brantford, Berlin and St. Thomas. Their birth rates are low, absolutely and relatively, in comparison with those of any other country, as may be seen by reference to Table 2. Further, the marriage rate is an average one, as may be seen from the table in a succeeding paragraph dealing with marriages.

The marriage rates are, however, higher than they should be, inasmuch as it is the custom in a certain number of instances for persons residing in surrounding districts to go to neighboring towns to be married. Thus, as will be seen in tables under the paragraph relating to marriages, Toronto, with a marriage rate of 7.6 per 1000, had but 63% of grooms and 85% of brides resident in the city. Hence the true marriage rate would be 5.7. Age at marriage has a direct bearing on the number of children born, and as will be seen from a further table in the same paragraph, there is an upward tendency in the ages of those marrying. Thus the mean age at marriage in the thirteen cities of Ontario in 1897 is, for husbands 29.35, and for wives 25.30. That the rate is, in the instance of wives, as favorable to a normal birth rate as in England, is seen in the fact that for 1896 the rate there was, husbands, 28.43, and for wives, 26.21 years. As has before been stated, the birth rate there in 1896 was 29.7 per 1000, or nearly one-third higher than in Ontario, for the births recorded. On the basis of the English marriage rate, 7.5 per 1000 in 1896, the birth rate in Ontario cities as based on the marriage rate, even though it be taken as 25% less than the recorded rate of 9.8 per 1000, should be nearly that of England, or 29 per 1000. Manifestly, therefore, there is in Ontario cities a birth rate not more than two-thirds of the English average, and even if 10% be added on for incomplete returns, it still approaches that of France.

Assuming, however, after allowing for imperfect registrations, that the basis established between marriages and births is a fair one, it would seem impossible not to conclude that certain other influences, which may be termed of a social or moral character, must be operative to produce such a low birth rate

In the report of the Registrar-General for 1894, some of these influences were referred to. According to the standpoint from which the subject is viewed by different persons, the duty of the Registrar-General is simply to point out the simple tabulated results of these returns, and leave to economists and moralists to draw lessons from them; or, on the other hand, inasmuch as the population of a state has long been looked upon as the real basis of wealth, it would seem proper to briefly refer to these other causes which seem to influence the birthrate.

Assuming then that it is proper to draw such inferences as may fairly be made from these statistics, it must be acknowledged with regret that, after making every allowance for defects in the returns of births in Ontario, the conclusion seems inevitable that the birth rate of Ontario is lower than under normal conditions, such as with the increase of population generally, it should be. The following table would seem to illustrate this.

*Birth Rates and Death Rates in different countries and states per 1,000 population.*

Countries.	Births.	Deaths.	Natural increase.
			Per cent.
United Kingdom ..... 1896....	29.2	17.1	1.21
England and Wales ..... "	29.7	17.1	1.26
Scotland ..... "	30.8	16.9	1.39
Ireland ..... "	23.6	16.6	.70
Denmark ..... "	30.5	15.7	1.48
Norway ..... "	30.4	15.2	1.52
Austria ..... "	38.0	26.4	1.16
Hungary ..... "	40.5	28.8	1.17
Switzerland ..... "	29.0	18.8	1.02
German Empire ..... "	36.3	20.8	1.55
Prussia ..... "	37.0	20.8	1.62
Belgium ..... "	29.0	17.5	1.15
France ..... "	22.7	20.2	.25
Italy ..... "	35.0	24.2	1.08
Canada.			
Ontario ..... 1897....	20.9	12.2	.87
Quebec ..... 1896....	38.57	20.05	1.852
United States.			
Maine..... 1896....	22.23	16.07	.616
Connecticut ..... 1897....	24.9	17.5	.74
New Hampshire ..... "	22.4	18.04	.436
Massachusetts ..... 1896....	27.0	19.0	.80
Vermont ..... "	21.2	16.5	.47
Rhode Island ..... "	25.7	19.6	.61



Remembering the remarkably low death rate, which we have reason to believe is nearly correct, it appears that, compared with the New England States, the increase is satisfactory, and indeed most satisfactory, when it is remembered that all of these have within recent years received great accessions to the factory population of French Canadians, whose fecundity is illustrated by the statistics of the Province of Quebec. It is apparent, however, that the rate of increase is notably less than in almost all European countries. If comparison be made of the marriage rates it is apparent, further, that the Ontario rate is an average one.

Thus, in 1896, the marriage rate per 1,000 was :

England.....	7 9	
Scotland.....	7.2	
Ireland .....	5 06	
New Hampshire .....	10.7	(Divorces 1 for 10 marriages.)
Connecticut .....	8.1	
Ontario (1897).....	6.7	

That our population is increasing with average rapidity must, from the economic standpoint, afford a measure of satisfaction. When, however, the practical completeness of the death returns is remembered, it must be apparent that the increase is principally due to the remarkably low death rate. Indeed, were the death rate that of France, the Ontario population would be practically stationary. If we further examine the marriage rate, it appears that no intimate relationship is seen between the low birth rates and counties with low marriage rates. See Table I.

What does seem to be apparent, however, is that counties located in certain sections of the country, and settled at more or less distinctly separate periods, show some generally operative influences affecting the birth rate, and this in counties where the marriage rate is practically up to the average. What seems apparent is that where the populations are largely from European countries and from Quebec, where as yet they may be said to hold to, in some measure, the simpler habits of life of their ancestors—where, indeed, as we may say, life is ruder and more rural—the birth rate is, on the whole, definitely higher, even though the marriage rate may be, as it is in many instances, actually lower. On the other hand, where cities, towns and villages are older and more numerous, where urbanizing influences are greater, where so called modern ideas prevail, and where the life of the people has become more artificial, there may be seen a very general tendency to a lowered birth-rate.

This subject of the tendency to a lowered birth rate, amongst the more advanced peoples of Europe and America has occupied the attention of many statisticians and writers on questions of economic and social reform, and those who are leaders of moral and religious thought during especially the last twenty-five years. To cite the writings of such would require a small treatise; but it may be said that since the time when political economists and philanthropists began, early in the century, to study the problem of over population, as during the years between 1840-50, when the first enormous emigration from the British Isles began, due to depression in agriculture and famine, the question of the limitation of the birth rate by prudential marriages, as urged by Malthus, has never ceased to be a subject of discussion. In still more recent years, however, the question of artificial checks to procreation, has become, as it were, an advance on the teachings of Malthus, and indeed a school of pamphleteers and *soi-disant* philanthropists, in the guise of writers of novels, have brought the teachings of the Neo-Malthusians before the attention of the public, giving their sophistries those alluring and pleasing qualities by which the minds of many men and women are only too readily influenced. It is natural that amongst such writers many should be women; some moved thereto, at times, doubtless, from womanly sympathy for their sisters amongst the poor, borne down with the cares of children; others have been urged to speak from the standpoint of the emancipated woman, whose ambition it is to enter the arena of public affairs and dispute the field with men, and a yet still larger number have adopted this new philosophy from the standpoint of personal selfishness, and declare that they will recognize no duty



which will deprive them of the right to enjoy to the fullest whatever society may bring them of pleasure, and utterly refuse to undergo, if it can be avoided, the pains and inconveniences of maternity, while accepting the social protection, privileges and joys which marriage can bring them.

It would be idle to expect or deny that as the outcome of such theories, methods should follow and be adopted for putting them into practice; and it would be sheer hypocrisy not to acknowledge that the state to day in Canada, by allowing the newspaper press to distribute daily by thousands advertisements teaching the arts of prevention, and by permitting pamphlets of every form and of a still more reprehensible character to be sent broadcast through the mails, is giving its tacit sanction to practices which it makes criminal laws to punish. What is still more remarkable is that the state licenses a business, and allows the druggist to carry on a traffic without let or hindrance in every form of nostrum and mechanical appliance, having for their end such prevention. Physicians too are approached, and it is feared may at times accede to the petitions of their clients, to undo what nature has asserted is a logical outcome of her laws.

This is not the place for teaching public morals, but rather to indicate wherein the state has duties in the interests of public health and economic progress. History gives attestation to the fact that a degeneracy of manners and morals, which in any degree affects the sanctity of marriage and degrades nature's functions, bears its legitimate fruits in national decay and in the destruction of family life. In 1896, French statistics showed that fifty-five Departments out of eighty-seven had decreased in population collectively 399,001 persons from what they had been in 1886. Indeed, in the year 1865 there were but 2.9 per cent. of foreigners in France, while out of the total increase of population during the succeeding twenty-five years, 26.4 per cent. of it was foreign, and largely of Italians. Her debt is the largest in the world, taxation is unbearable, divorces have in recent years notably increased, and prostitution is enormously prevalent. The number of children is less than two to a family, while a general law exists that when the birth rate falls below four in one family, population becomes stationary or declines. That the evils of Neo-Malthusianism are, however, almost as prevalent in certain parts of the North American continent as in France, may readily be concluded from the birth rate in the eastern United States, if that of the foreign-born population be excluded. The sanctity of the marriage tie is disappearing at a rate as never before elsewhere, divorces being as high as one in every eight marriages in Maine, almost as high in New Hampshire, and but little less in neighboring States.

It is manifest, therefore, that if the Anglo Saxon race is to fulfil its destiny on the American continent, and play the dominant part over inferior races in the march of progress, the exponents of its assumed superiority will have to preach a gospel of patriotism of which to-day they seem singularly blind. Social degeneracy has always meant national decay, and it is the simple and moral citizens of to-day who will hold the supremacy to-morrow. The matter is one which ought to be of the highest interest and importance to the teachers and exponents of public morals; although there may be seen in some directions a curious anomaly, whereby those who sanctify marriage and hold its responsibilities inviolable, should at times fail to comprehend that the duty of protecting human life *post natal*, is at least as incumbent upon us as when *pre natal*. The figures, however, of the Report have so many points of interest bearing upon this question, that it will have been deemed sufficient if it has indicated some of the salient conclusions to which they point.

*Births in Cities.* It will be noticed in Table II., that notable variations exist in the birth rate of different cities, that of Ottawa being highest. This is probably due, in part, to its rapid increase in population during the last two years, thereby making the divisor too low, and partly owing to the fact that a large maternity home registered 137 births as having occurred therein.

The very high rate in Brantford is, likewise, due in part to the population adopted for estimation being too small, but it is, undoubtedly, on the other hand, due to the completeness of the returns. The very low birth rate in Stratford is due to very defective

returns, and applying the correction made in 1898, due to an investigation by the Inspector, the true rate would approximate 23 per 1,000. Belleville returns are likewise defective, as from a statement made by the Division Registrar, are also those of London.

The following corrected table, in which the population by assessment for 1897 is taken, shows the variations due to an incorrect population having been taken :—

*Table with corrected Populations in Cities, 1896, 1897.*

Cities.	Assessment population.	Registrar- General's estimated population.	Variation.	Cities.	Assessment population.	Registrar- General's estimated population.	Variation.
	1896.	1897.	Increase or Decrease.		1896.	1897.	Increase or Decrease.
Toronto. ....	183,172	197,938	I. 14,766	St. Catharines..	10,144	9,740	D. 404
Hamilton. ....	50,035	52,042	I. 2,007	Belleville. ....	10,399	10,534	I. 135
Ottawa. ....	53,727	46,913	D. 6,814	Stratford. ....	10,531	10,091	D. 440
London. ....	36,224	32,944	D. 3,280	Windsor. ....	11,915	10,965	D. 950
Kingston. ....	18,009	20,464	I. 2,455	Chatham. ....	8,788	9,616	I. 828
Brantford. ....	16,234	13,547	D. 2,687				
St. Thomas. ....	11,021	11,010	D. 11	Total. ....	430,940	436,996	I. 6,056
Guelph. ....	10,741	11,192	I. 451				

### Marriages.

As seen in Table I. the average number of marriages is 6.8 for 1897. There is an increase in marriages in Ontario in 22 counties, and a decrease in 16, amounting to 346, for those counties in which a comparison with 1896 is made in Table I. This is, however, due to more complete returns, as has already been pointed out. In cities, however, while an increase is seen in seven out of thirteen cities, the fact is observed that in Toronto, Hamilton and London, there was a decrease respectively of 100, 19 and 117, which, in view of the notable increase in population, is remarkable. Even in Ottawa, the rate is a decreasing one if the increase in population be allowed for.

The average age at marriage in the several cities is set forth in the following table :

*The following Table gives the Marriages by Ages in the 13 Cities in Ontario in 1897.*

Cities.	Number of marriages.	Average age, males.	Average age, females.	Cities.	Number of Marriages.	Average age, males.	Average age, females.
Toronto. ....	1,501	28.45	24.99	St. Catharines.	88	30.77	26.06
Hamilton. ....	412	29.87	26.31	Belleville. ....	103	29.63	24.75
Ottawa. ....	479	28.51	24.45	Stratford. ....	45	31.80	26.54
London. ....	319	29.17	25.23	Windsor. ....	615	27.78	24.36
Kingston. ....	195	28.92	24.77	Chatham. ....	115	28.82	25.10
Brantford. ....	137	29.70	25.45				
St. Thomas. ....	101	28.00	24.11	Total. ....	4,208	29.35	25.30
Guelph. ....	98	30.23	26.86				

After deducting the marriages of non-residents, the rate for these cities gives the following average rate per 1,000 in Toronto and Windsor, taken as illustrations. The percentage given is that of groom and bride residing in city and elsewhere.

*Marriages by Residents.*

	Toronto.				Windsor.			
	Groom.		Bride.		Groom.		Bride.	
In City .....	1,095	63%	1,277	85%	47	8%	61	10%
" Ontario .....	309	20%	190	11%	..... (Not separated from Canada.)			
" Canada .....	24	15%	12	0.8%	44	7.9%	51	8.3%
" Foreign .....	7	4%	22	1.5%	524	85%	81	81%

The extent of the marriage of non-residents in different counties is further illustrated by the fact that of the licenses returned by counties, 2,479, or only 13 per cent. are for marriages solemnized elsewhere. It thus appears that with a marriage rate of 9.8 per 1,000 the annual birth rate of these cities is only 20.6. Assuming that the birth

*Table shewing percentage of Married Persons in each Five-Year Period by Counties.*

	Total num- ber of married persons.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 and over.
		%	%	%	%	%	%	%
Algoma .....	452	19	34	25	11	5	3	4
Brant .....	464	7	37	29	13	6	5	3
Bruce .....	758	7	36	31	14	6	1	3
Carleton .....	1,320	9	39	28	11	5	2	5
Dufferin .....	256	3	35	37	12	4	2	5
Elgin .....	608	10	34	29	14	4	2	4
Essex .....	1,940	11	43	24	9	4	2	4
Frontenac .....	686	12	33	29	10	7	3	5
Grey .....	810	4	60	30	16	6	3	5
Haldimand .....	326	0	32	31	14	8	2	3
Halton .....	210	8	32	30	13	5	3	5
Haliburton .....	64	22	33	26	11	4	...	3
Hastings .....	854	11	40	26	9	6	3	5
Huron .....	886	4	29	35	18	6	3	4
Kent .....	868	13	40	25	10	5	2	3
Lambton .....	842	10	36	28	15	5	2	3
Lanark .....	442	10	39	27	10	6	3	4
Leeds and Grenville .....	922	8	38	37	12	6	2	6
Lennox and Addington .....	332	15	44	22	11	4	2	3
Lincoln .....	404	12	40	22	11	4	2	4
Middlesex .....	1,408	7	37	28	12	6	3	3
Muskoka .....	274	16	40	24	11	6	2	2
Norfolk .....	474	15	43	22	8	4	2	6
Northumberland and Durham .....	880	8	36	31	13	5	3	4
Nipissing .....	346	21	42	24	7	3	9	1
Ontario .....	470	8	34	31	14	6	3	4
Oxford .....	684	8	44	22	11	7	2	6
Peel .....	286	3	34	27	20	11	3	2
Perth .....	614	5	34	34	14	5	2	5
Peterborough .....	460	5	36	33	12	8	2	3
Prescott and Russell .....	586	15	48	18	7	4	1	6
Prince Edward .....	256	17	37	22	13	3	2	5
Parry Sound .....	312	20	44	20	9	1	1	4
Rainy River .....	124	8	34	31	17	7	1	2
Renfrew .....	710	10	40	29	11	3	2	4
Simcoe .....	1,110	12	38	30	9	4	2	5
Stormont, Dundas and Glengarry .....	830	9	38	27	11	5	3	6
Thunder Bay .....	136	13	39	19	15	3	5	4
Victoria .....	450	9	38	28	12	5	2	3
Waterloo .....	688	6	41	31	10	3	1	5
Welland .....	556	9	45	26	12	6	4	6
Wellington .....	754	5	30	35	14	6	3	5
Wentworth .....	1,098	6	36	31	12	6	2	6
York .....	3,636	7	39	29	42	6	3	4
Total .....	30,586	9	38	28	12	5	2	4



rate approaches roughly 2 to 1 of deaths in Ontario, or that an average marriage rate of 7.9, is associated with a birth rate in England of 29.7, the birth rate in Ontario should be 25.5 per 1,000.

Taken in conjunction with the following table of percentage of marriages in the several life periods by counties, this table affords evidence similar to that in other countries that there is a distinct tendency to delay marriage, which means necessarily that the proportion of marriageable persons in any community decreases with each semi-decade, and bears a close relationship to the question of a decreasing birth rate.

Thus, as was pointed out in the report for 1894, in a specially prepared table of persons married in Toronto and to whom children born were registered within the succeeding eighteen months, the proportion of children born in each semi-decade was as follows :

*Table from Report of 1894.—Number of Marriages and Births by Age Periods in Toronto in 1892.*  
Marriages (1,140 total).

Age periods .....	15-20	Per cent. of whole.	20-25	Per cent. of whole.	25-30	Per cent. of whole.	30-35	Per cent. of whole.	35-40	Per cent. of whole.	40-45	Per cent. of whole.
Totals .....	145	12.7	571	50	571	24.6	86	75	87	2.9	20	1.7

#### Births.

Age periods .....	15-20	Per cent. of whole.	20-25	Per cent. of whole.	25-30	Per cent. of whole.	30-35	Per cent. of whole.	35-40	Per cent. of whole.	40-45	Per cent. of whole.
Totals .....	49	13.5	193	53.4	93	25.7	17	4.7	6	1.6	.....	.....

These figures show that 87.3 per cent. of all marriages took place within the first 30 years or under of life, leaving but 12.1 per cent.; also that 92.67 per cent. of these births occurred with mothers of 30 or under, leaving but 6.3 per cent. They also show that the first three periods have a greater percentage of births relatively to marriages by 0.8 per cent., 3.4 per cent. and 1.17 per cent. respectively. It may further be remarked that English statisticians have laid it down as a law that had no woman borne children before 30 years the normal birth rate would be reduced by one-third.

#### DEATHS.

The total recorded deaths in Ontario during the year 1897 as seen in Table 1, are 27,633. Taking the average for the 38 counties whose population has been estimated, the returns show an average rate per 1,000 of 11.8. This rate is 0.9 greater than in 1896, when 24,857 deaths were recorded. As stated in the report for 1896, the present Act was in operation for five months of that year, and gave an increase over the preceding year of 2,396 deaths for the year. This year adds 2,776, or a total increase over 1895 of 5,172 or exactly 23 per cent. As there have been no notable outbreaks of contagious diseases during the year, it is evident that the increase is due to more complete returns. From the very effective operation of that clause of the Act providing that no burial can take place until registration of the death has been made, this remarkable increase gives the best grounds for the belief that the record of deaths is



practically complete. That the death-rate of Ontario is remarkably low has always been assumed from the records of those cities, whose cemetery regulations have made a burial permit prior to interment necessary, and even this notable per centage of increase in 1897 does not seriously effect the low record. It is a notable evidence of improved conditions of life, and of the advance of scientific medicine that the death-records of all civilized countries show a downward movement. Thus :

Death rates per 1,000.

England and Wales, 1896 .....	17.1, or 1.7 less than for preceding 10 years.
Rutlandshire .....	12.8
Berkshire .....	13.1
Surrey .....	13.3
Scotland, 1896 .....	16.9                   "                   "
Insular Rural Districts .....	13.6
Ireland, 1897 .....	18.4, slightly greater than for preceding 10
Maine, 1896 .....	16.07                   years.
New Hampshire, 1896 .....	18.04
Connecticut, 1896 .....	17.05
Quebec, 1896 .....	21.21

How low the annual death rate is, especially in certain inland counties, situated on the highlands of the province is seen in the following instances, viz.: Bruce 9.7, Dufferin 8.4, Grey 9.5, Halton 9.2, Perth 9.5, Wellington 9.9. These counties while having many small towns and villages, are distinctive in the fact that for the most part they lie on the the tableland with an average height approaching 1,000 feet above the sea, and with a soil composed largely of post glacial, deposits of gravel and sandy loams, and have the drainage flowing rapidly towards the Great Lakes. As will be seen in a later reference table to the death rate from tuberculosis, this elevated area shows its healthfulness in a relative immunity from this disease, the rate of the six counties with a total population of 300,398 being but 0.9 in 1,000. A fact of importance in this connection is that in the counties of Lincoln and Welland, where much of the land is heavy clay, the death rates are the highest of all counties except Prescott, which is largely rural, Lincoln being 14.4 and Welland 14.4, with a death rate from tuberculosis of 1.8, or just double that of the central counties.

The now well-known effects of drainage in lessening the prevalence of tuberculosis in those counties in England situated on clay soils, point to a very obvious need in these counties. Carleton, Prescott and Russell, with a large French population, and high birth rate, show also a high death rate, Carleton being 20.3, and Prescott and Russell 16.9. The city of Ottawa however, is included in Carleton, and has a death rate high owing to a large lying-in hospital, as well as three other large general hospitals, much utilized by the new country to the north. The salubrity of the northern wooded districts of the Laurentian area whose death rates have not been calculated separately in this report has been frequently noted, the death rates from tuberculosis being, estimating the population as probably 100,000, less than 0.8 in the 1,000.

*Death Rate in Cities*—The death rate in cities is estimated at 18.4 on a population of 436,996. The rate is disproportionately high to that of the counties, but if the correction for population, based on the assessment returns, be applied the rate would be somewhat lower than is given in the tables. The cities of Guelph, Stratford and London on the central plateau already referred to maintain the same preeminence for healthfulness as do the counties. The city of Ottawa, for reasons already given, has an abnormal death rate, as compared with other cities.

*Diseases by classes.*—In this year's report, a rearrangement of diseases by classes has been made in keeping with a proposition being generally accepted for a common system of classification approved of by the American Public Health Association, which includes the

United States, Canada and Mexico, that adopted being the Bertillon of the municipality of Paris, France. This decision has been arrived at after a careful consideration of the question, the object being first to establish uniformity for purposes of comparison and further to adopt a classification simpler and more modern than that of the Royal College of Physicians of England, as respects the most recent scientific views on causation of disease. The classification is a short form, in which the several diseases referred to in Table 13 are included in some one class. The Tables 10, 11 and 12 summarize by counties, cities and towns the extended tables as found in the appendix. It is to be regretted that 2.6 per cent. of all deaths are found in the class of ill-defined causes, while by far the largest number of any class has yet to be included under Class XI., where the major part are returned as due to debility, atrophy, immaturity in infants and to old age. In other respects the returns may be deemed fairly accurate. In Tables 13 and 14, however, the analysis of the classes is given by county and city totals for each disease, of which ninety-two are set forth in the table.

### Special Diseases.

*Typhoid fever.*—This disease shows a mortality of 355. Remembering the general increase this is a remarkably low rate, the total deaths being for the five years, 1893-96 previous, 1,642.

The death rate is 0.15 per 1,000 population. The incidence of this disease largely depends upon the amount and distribution of the rainfall during the summer months, and shows its effects chiefly in rural places, towns and villages without a public water supply, and in those cities where well water is still partially used.

What may be termed typhoid years are indicated in the following table of death rates in the cities and principal towns. Thus the years 1895 and 1896 show a prevalence above the average.

#### *Deaths from Typhoid Fever in Ontario.*

Cities.	Ages.									
	1893.		1894.		1895.		1896.		1897.	
	Population.	No. Deaths.	Population.	No. Deaths.	Population.	No. Deaths.	Population.	No. Deaths.	Population.	No. Deaths.
Toronto.....	190,216	75	192,118	45	194,039	56	195,979	48	197,938	36
Hamilton.....	50,912	2	50,512	9	51,017	12	51,527	14	52,042	5
Ottawa.....	45,085	10	45,535	18	45,950	22	46,449	16	46,913	24
London.....	32,650	9	32,976	7	23,296	12	32,618	7	32,944	8
Kingston.....	19,668	5	19,864	4	20,062	16	20,262	12	29,464	5
Brantford.....	13,020	5	13,150	0	13,281	16	13,413	7	13,547	9
St. Thomas.....	10,583	4	10,688	2	10,794	3	10,901	7	11,010	3
Guelph.....	10,758	..	10,815	2	10,973	1	11,082	3	11,192	2
St. Catharines.....	9,362	2	9,455	5	9,549	2	9,644	3	9,740	3
Belleville.....	10,124	3	10,225	..	10,327	5	10,430	12	10,534	8
Stratford.....	9,700	2	9,797	4	9,804	3	9,992	2	19,091	1
Windsor.....	19,539	6	10,644	5	10,750	5	19,857	9	10,965	2
Chatham.....	9,242	3	9,334	3	9,427	5	9,921	2	9,616	11
Totals.....	420,959	133	425,163	113	429,399	157	432,675	141	436,996	117

## Deaths from Typhoid Fever in Ontario.

Towns.	Ages.									
	1893.		1894.		1895.		1896.		1897.	
	Population.	No. Deaths.	Population.	No. Deaths.	Population.	No. Deaths.	Population.	No. Deaths.	Population.	No. Deaths.
Berlin.....	7,581	6	7,656	5	7,732	3	7,890	4	7,887	..
Brockville.....	8,974	4	9,063	7	9,173	2	9,624	6	9,356	5
Cornwall.....	6,947	2	7,016	2	7,086	..	7,156	4	7,227	..
Lindsay.....	6,208	..	6,270	..	6,332	4	6,395	6	6,458	3
Niagara Falls.....	3,415	2	3,448	..	3,482	2	3,516	2	3,551	1
Owen Sound.....	7,653	1	2,729	4	7,906	2	7,884	8	7,962	2
Peterboro'.....	10,115	3	10,216	8	10,318	6	10,431	6	10,525	..
Sarnia.....	6,831	1	6,689	1	6,755	..	6,822	..	6,890	3
Totals.....	37,724	19	550,837	27	58,684	19	59,706	36	59,856	14
Balance of Province ..	1,788,777	321	1,705,876	253	1,723,678	414	1,777,614	374	1,760,526	355
Grand Total....	2,167,460	473	2,189,116	383	2,211,101	588	2,263,492	552	2,257,378	484

*Smallpox and Scarlatina.* No deaths from smallpox occurred in Ontario in 1897, and scarlatina shows a small mortality, viz. : 169 deaths.

*Diphtheria and Croup.* This disease ranks first in the causes of deaths amongst the acute communicable diseases, it causing 976. The following list gives the deaths for 4 years. Remembering the more perfect registration, the rate for 1897 shows a slight decline.

Thus in 1894 the total deaths were .....	1075
“ 1895 “ “ .....	942
“ 1896 “ “ .....	925
“ 1897 “ “ .....	976

The deaths in the thirteen Ontario cities in the same four years were :

## Deaths from Diphtheria in cities—1893 to 1897.

Cities.	1893.	1894.	1895.	1896.	1897.
Toronto.....	253	110	147	132	161
Hamilton.....	32	72	11	14	19
Ottawa.....	41	124	78	41	44
London.....	61	48	9	10	20
Kingston.....	6	5	26	21	12
Brantford.....	10	10	18	10	8
St. Thomas.....	1	1	8	19	12
Guelph.....	2	2	4	4	1
St. Catharines.....	2	5	3	3	4
Belleville.....	5	1	1	3	2
Stratford.....	2	.....	1	3	3
Windsor.....	3	.....	2	6	8
Chatham.....	1	12	5	4	1



*Tuberculosis.* For the first time the total recorded deaths in Ontario for this disease have reached 3,000, the total number being 3,154. If, however, the percentage of total increase of recorded deaths be applied to the rate for 1895, there would have been 3,040, so that the rate has not increased, being exactly 11.7 of the total recorded deaths as it was in 1895 and 1896.

This rate includes tuberculous diseases of every kind and gives a rate of 1.4 per 1,000. High as the rate is, it is low compared with most countries in temperate climates.

Thus England has a rate of 1.30 per 1,000, being but 7 per cent. of all deaths.

" Scotland	"	2.33	" 1,000, or 13.81	"	"
" Ireland	:"	2.9	" 1,000, or 15.5	"	"

The rate of England is a phenomenon very remarkable, since while the death rate in the decennium 1861-70 was 2.46 per 1,000, it had decreased to 1.3 in 1896, or nearly a half less and slightly lower than the rate in Ontario. This is all the more remarkable when it is seen that Scotland and Ireland stand almost at the same rate as England did thirty years ago. With climates similar this must be conceded as being the highest possible test of the progress of that system of public sanitation which has made the English general death rate with its enormous urban population fall as low as that of most rural populations.

Comparing these rates from tuberculosis with neighboring States and Provinces we find the death rate in :

Tuberculosis in Quebec	in 1896 to be 1.8 per 1,000
" New Hampshire	1897 " 1.75 "
" Maine	1896 " 2.05 "

*Tuberculosis in cities.*—Remembering that tuberculosis tends to become especially prevalent where population is densest the following rates in Ontario cities are given.

*Death from Tuberculosis in Ontario Cities in 1897 and 1898.*

Cities.	1897.		1898.	
	Total deaths.	Ratio per 1,000 of population.	Total deaths.	Ratio per 1,000 of population.
Toronto .....	464	2.3	468	2.39
Hamilton .....	83	1.6	73	1.4
Ottawa .....	134	2.8	121	2.6
London .....	52	1.6	39	1.2
Kingston .....	54	2.6	33	1.6
Brantford .....	25	1.8	16	1.2
St. Thomas .....	17	1.5	9	.8
Guelph .....	14	1.2	14	1.2
St. Catharines .....	15	1.5	11	1.1
Belleville .....	20	1.8	12	1.1
Stratford .....	13	1.3	10	.9
Windsor .....	17	1.5	11	1.0
Chatham .....	12	1.2	12	1.2

Further interest attaches to the returns for consumption in Ontario for almost fifty years taken from the census returns, which may be assumed not to include other tuberculous diseases.



*Deaths from Consumption in Ontario in Census Years.*

	Population.	Deaths from all causes.	Deaths from consumption
1851.....	952,004	7,775	763
1861.....	1,396,091	10,160	1,509
1871.....	1,620,851	18,063	2,183
1881.....	1,923,228	22,727	2,395
1891.....	2,114,221	24,211	2,485
1897.....	2,257,378	27,633	3,154

Some idea, however, of the probable incompleteness of early census returns of deaths may be gathered from the following table of deaths of some old counties.

	Deaths per 1,000.	
	1851.	1861.
Brant.....	8.6	7.0
Dundas.....	18.0	5.6
Elgin.....	7.4	7.7
Halton.....	7.3	9.0
Kent.....	12.0	13.2
Prince Edward.....	6.9	6.0
Waterloo.....	8.9	8.5

In Tables 15 and 16 is given a statement of deaths due to tuberculosis in the cities of Toronto and Ottawa by ages and occupations. These are most interesting as illustrating not only how this most fatal disease prevails during the wage-earning periods of life, but also how its incidence is especially upon the wage-earning classes.

The total deaths from other special causes are given in Tables 13 and 14 for the whole Province by counties, as well as the deaths in cities and towns. The Tables will prove of much value for comparative purposes.

The report for the year 1897 being that for the first complete year under the operation of the amended Registration Act of 1896, which has resulted in so notable an increase in the completeness of death returns, with the adoption of the Bertillon System of classification, and the addition of several special tables, will serve to mark the vital statistics of Ontario as now occupying a position for accuracy and completeness of detail in large degree comparable to those of the long-established returns of European countries. That they indicate the prevalence of certain preventable diseases will readily be admitted, but that they also indicate a marked effect of the operation of sanitary laws is abundantly illustrated. That the total mortality of Ontario compares most favorably with that of all other countries is so apparent that we have good reason for asserting that in few, if any countries, is a higher degree of general health maintained, or are greater climatic advantages afforded, whereby the individual may exert his fullest energies with less danger of injury to his physical powers and general well-being.

I have the honor to be, sir,

Your obedient servant,

PETER H. BRYCE,

Deputy Registrar-General.

## Report of the Inspector.

TORONTO, January 2nd, 1899.

TO THE HON. E. J. DAVIS,

*Registrar General of Ontario :*

SIR,—I have the honor to report, that during the past year I visited, for purposes of inspection, the Division Registrars of seventy municipalities within the counties of Brant, Carleton, Dufferin, Frontenac, Halton, Hastings, Lincoln, Lennox and Addington, Middlesex, Northumberland and Durham, Ontario, Peel, Perth, Peterborough, Simcoe, Waterloo, Welland, Wentworth, and York. I find that, as a general rule, these officials are very painstaking in their work, and are honestly endeavoring to secure as complete returns as possible of births, marriages and deaths, but frequently their labors do not seem to be properly appreciated by the members of the council, or the residents of their respective localities. The people do not yet fully comprehend the value of these statistics, and many look upon the outlay connected therewith as an actual waste of money; consequently the Division Registrars do not receive that active assistance and sympathy from the ratepayers to which they are fully entitled. But the greatest drawback of all is the fact that the physicians throughout the Province, with a few notable exceptions, make scarcely any pretence of reporting the birth cases which they attend—the section of the Act requiring their attention to this matter being practically a dead letter. A few instances will suffice to show the extreme laxity displayed by the doctors in this respect:—In Toronto, with birth returns amounting to 4,078, we find that only 856 were made by medical practitioners; St. Catharines shows 200 returns, and only 44 from doctors; in Hamilton, less than one-third of the returns are made by physicians, while at London, out of 352 returns, not more than 27 were credited to the medical fraternity. The Division Registrar of St. Thomas writes as follows. “The medical men make but few returns, with one or two exceptions.” In fact, from enquiries made in all sections of the Province, the same information is obtained, and that is to the effect that the Division Registrars receive but little assistance from the physicians in the collection of their birth returns. This, to a considerable extent, accounts for the apparently extremely low birth rate in Ontario. In regard to death returns, I have good reason to think they are much nearer complete as the section in the Act prohibiting the burial of any dead body until a burial certificate has been secured is a rather difficult one to get over, and I must give the doctors and undertakers credit for pretty strict compliance with the Act in this respect. Of course in some places even this imperative section is occasionally ignored, but any Division Registrar who is at all anxious to have his returns anyways near complete can easily find out the particulars of practically all the deaths that occur in his municipality. Marriages are pretty thoroughly reported, the clergymen, with very few exceptions, giving every assistance in this respect, although some of them are occasionally a little slow in making their returns.

In a former report I made the following recommendations, viz: “The amount due each Division Registrar, as shown by certificate from the Registrar General, should be a lien upon said municipality until paid, and no mutual agreement for commutation should be considered legally binding upon the Division Registrar.” I would again make this recommendation, and in addition would suggest that the Act be changed so that the Department would have the power to appoint a Division Registrar in the place of the

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Municipal Clerk in municipalities where the work is not being well done, or where the Councils do not allow the Clerks sufficient salary to enable them to do the work properly.

In regard to the clerical work and the general completeness of the returns received, I have much pleasure in stating that a most marked improvement has taken place since the amendments to the Act came into force. Very few schedules have now to be sent back for correction and as a rule the returns are received promptly in time at this office. The registers at the offices of the various Division Registrars are with few exceptions very creditably kept and the almost unanimous opinion expressed on all sides is that the adoption of these books, combined with the increase in the fee of registration, has done much towards making the collection of vital statistics seem a much more important matter than it formerly appeared to be.

Great strides have been made within the last few years towards the goal of reliable and complete returns, but much yet remains to be done. We must enlist the active sympathy of all classes of the people of the Province in the work, but more especially so of the medical practitioners. Newspapers can and, in many instances do, give valuable aid, as when they choose they can place the value of vital statistics so clearly before their readers that the most skeptical must be convinced; but after all, the physicians are the ones we must place our greatest reliance upon. They can insure practically full birth and death returns if they only put a little more energy in the work and with very little inconvenience to themselves. A strong effort should be made to bring them into line. It is now nearly three years since the amended Act came into force, and by this time all the officials and others whose duties are clearly defined in its several sections should be well posted in these duties, and there is now no reasonable excuse why they should not comply with them. Under these circumstances I would therefore strongly urge that during the coming year prosecutions be instituted in every case where it is evident that through indifference or negligence the provisions of the Act are not being complied with. Such action by the Department would seem to be the only way to stir up a keen interest in vital statistics and I have no doubt but that a few prosecutions in different sections of the Province would awaken our people to the fact that the registration of births, marriages and deaths was a real "live issue" which must be attended to in accordance with the provisions of the Act. I have the honor to be, sir,

Your obedient servant,

R. B. HAMILTON,  
Inspector.

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TABLE II.

Table shewing the total number of Births, Marriages and Deaths in each County in 1897.

Counties.	Population.	Births.			Marriages.			Deaths.			Totals.		Ratio to 1,000 of the Populatio		
		Number in 1897.	Variation from 1896.		Number in 1897.	Variation from 1896.		Number in 1897.	Variation from 1896.		Increase.	Decrease.			
			Increase.	Decrease.		Increase.	Decrease.		Increase.	Decrease.					
Algoma	17,634	906	...	...	226	...	...	281	...	...	1,413	...	51.3	12.8	15.9
Brant	38,722	771	76	...	232	...	11	471	...	2	1,474	63	19.9	6.0	12.2
Bruce	68,642	1,467	99	...	379	21	...	668	5	...	2,514	125	21.4	5.5	9.7
Carleton	82,474	2,088	51	...	660	19	...	1,676	209	...	4,424	241	25.3	8.0	20.3
Dufferin	23,632	450	...	27	128	20	...	199	12	...	777	5	19.0	5.4	8.4
Elgin	46,087	801	1	...	304	12	...	508	43	...	1,613	56	17.4	6.6	11.0
Essex	59,017	1,565	185	...	370	52	...	756	18	...	3,291	219	26.5	16.4	12.8
Frontenac	49,948	917	14	...	343	62	...	692	32	...	1,952	80	18.3	6.9	13.8
Grey	75,667	1,481	77	...	405	...	23	719	...	8	2,605	...	19.5	5.3	9.5
Haldimand	24,903	415	13	...	163	8	...	263	73	...	841	94	16.6	6.5	10.5
Halton	23,357	420	15	...	105	2	...	215	1	...	740	18	17.9	4.5	9.2
Haliburton	6,742	230	13	...	32	...	10	76	...	7	338	...	34.1	4.7	11.2
Hastings	62,880	1,226	66	...	427	28	...	717	17	...	2,370	...	19.5	6.8	11.4
Huron	70,955	1,275	49	...	443	82	...	747	160	...	2,465	193	17.9	6.2	10.5
Kent	62,368	1,402	165	...	484	...	38	729	121	...	2,565	248	22.5	6.9	11.7
Lambton	58,358	1,231	59	...	421	22	...	634	132	...	2,286	213	21.1	7.2	10.8
Leamington	40,082	752	...	21	221	...	29	475	69	...	1,448	19	18.7	6.5	11.8
Leeds and Grenville	64,693	1,122	72	...	461	107	...	813	110	...	2,396	289	17.3	7.1	12.5
Lennox and Addington	26,295	453	28	...	166	...	37	331	86	...	950	21	17.2	6.3	12.6
Lincoln	31,959	616	100	...	202	28	...	462	75	...	1,280	203	19.3	6.3	14.4
Middlesex	108,334	1,565	65	...	704	92	...	1,162	226	...	3,431	253	14.4	6.5	10.7
Muskoka	17,606	600	...	...	137	...	...	201	...	...	938	...	34.1	7.7	11.4
Norfolk	32,927	658	17	...	237	17	...	400	93	...	1,295	127	19.9	7.2	12.1
Northumberland and Durham	74,867	1,264	32	...	440	45	...	868	118	...	2,572	195	16.9	5.8	11.6
Nipissing	12,511	966	...	...	173	...	...	294	...	...	1,433	...	77.2	9.9	23.5
Ontario	48,190	903	6	...	235	...	25	509	21	...	1,647	...	18.7	4.9	10.6
Oxford	52,964	1,037	43	...	342	22	...	625	28	...	2,004	7	19.6	6.4	11.8





TABLE 2.  
Table shewing the total number of Births, Marriages and Deaths in each City in 1897.

Cities.	Population.	Births.			Marriages.			Deaths.			Totals.			Ratio to 1000 of the Population		
		Number in 1897.	Variation from 1896.		Number in 1897.	Variation from 1896.		Number in 1897.	Variation from 1896.		Number in 1897.	Variation from 1896.		Births.	Marriages.	Deaths.
			Increase.	Decrease.		Increase.	Decrease.		Increase.	Decrease.		Increase.	Decrease.			
Toronto.....	197,938	4,078	.....	168	1,501	.....	100	3,122	154	.....	8,701	.....	114	20.6	7.6	15.8
Hamilton.....	52,042	969	.....	159	412	.....	20	676	.....	54	2,057	.....	233	18.6	7.9	13.0
Ottawa.....	46,913	1,273	75	.....	479	7	.....	1,242	160	.....	2,394	242	.....	27.1	10.2	26.5
London.....	32,944	552	.....	47	319	.....	177	459	69	.....	1,330	.....	155	16.7	11.5	13.9
Kingston.....	20,464	356	21	.....	195	11	.....	359	18	.....	910	50	.....	17.3	9.5	17.5
Brantford.....	13,547	408	68	.....	137	7	.....	248	.....	20	793	75	20	30.1	10.1	18.3
St. Thomas.....	11,010	221	1	.....	101	.....	3	157	.....	3	479	.....	5	20.0	10.1	14.3
Guelph.....	11,132	259	19	.....	98	.....	10	134	13	.....	491	32	10	23.1	8.8	12.0
St. Catharines.....	9,740	200	41	.....	88	32	.....	160	28	.....	448	101	.....	20.5	9.0	16.4
Belleville.....	10,534	151	8	.....	103	29	.....	157	30	.....	441	67	.....	14.3	9.8	17.8
Stratford.....	10,691	134	.....	25	45	.....	27	103	.....	.....	282	.....	52	13.2	4.5	10.2
Windsor.....	10,965	237	.....	20	615	30	.....	169	6	.....	1,021	36	20	21.6	56.1	15.4
Chatham.....	9,616	199	34	.....	115	.....	4	161	29	.....	475	63	4	20.7	12.0	16.7
Total.....	436,996	9,037	267	419	4,208	116	341	7,177	507	77	20,422	666	513	20.6	9.6	16.4

TABLE 3.

Table shewing the total number of Births, Marriages and Deaths in each Town in 1897.

Towns.	Population.	Births.		Marriages.		Deaths.		Totals.		Ratio to 1,000 of population.	
		Variation from 1896		Variation from 1896		Variation from 1896		Variation from 1896		Births.	Deaths.
		Increase.	Decrease.	Increase.	Decrease.	Increase.	Decrease.	Increase.	Decrease.		
		Number in 1897.		Number in 1897.		Number in 1897.		Number in 1897.			
Barrie .....	6,105	135	28	60	27	84	12	279	43	22.1	13.7
Brockville .....	9,356	202	13	85	3	131	27	418	43	21.5	14.0
Burlington .....	7,887	212	22	108	62	111	4	431	80	26.9	14.1
Bracebridge .....	1,560	81	3	40	5	13	11	131	13	51.9	8.3
Brampton .....	3,577	43	5	37	11	57	9	137	15	12.0	15.9
Cornwall .....	7,227	176	3	60	1	125	37	361	33	24.3	8.3
Cobourg .....	5,311	73	6	40	10	71	9	184	13	13.7	17.3
Cayuga .....	904	73	10	11	3	13	3	39	4	16.6	14.4
Goderich .....	4,922	61	11	40	20	55	26	156	55	14.4	13.0
London .....	6,458	127	4	70	3	78	15	275	22	19.6	12.1
L'Orignal .....	1,102	21	5	7	7	21	2	38	14	19.0	6.3
Milton .....	1,595	43	8	11	3	21	8	75	9	26.9	13.1
Napanee .....	3,776	71	12	54	30	52	11	177	8	18.8	13.8
Niagara Falls .....	3,551	92	10	84	30	71	18	247	38	25.9	20.0
North Bay .....	2,431	101	71	26	38	24	11	151	98	41.5	10.7
Orangeville .....	3,258	35	5	33	10	31	11	99	5	10.7	9.5
Owen Sound .....	7,932	164	7	68	4	93	3	325	23	20.6	8.5
Perry Sound .....	2,670	114	24	27	4	47	47	188	23	42.7	10.1
Peterboro' .....	10,525	271	11	103	16	153	10	597	15	23.7	14.5
Pembroke .....	4,885	181	27	53	6	88	3	322	21	37.0	18.0
Perth .....	3,449	88	7	36	24	58	1	182	18	25.5	10.4
Pictou .....	3,615	60	5	42	26	53	17	155	48	16.6	11.6
Port Arthur .....	3,618	70	37	42	35	38	25	150	97	19.3	10.5
Rat Portage .....	4,500	131	5	53	20	102	46	286	61	29.2	11.8
Sarnia .....	6,890	134	5	109	15	101	41	344	61	19.4	14.6
Sault Ste. Marie .....	3,822	125	7	60	20	46	3	231	24	32.7	15.7
Simcoe .....	2,941	59	10	47	8	40	9	146	27	20.0	13.9
Toronto Junction .....	5,151	149	3	36	17	69	8	254	12	28.9	13.4
Walkerton .....	3,307	61	3	21	5	36	5	118	6	18.1	10.7
Welland .....	3,238	29	1	19	1	17	4	65	1	8.9	5.2
Whitby .....	3,064	51	3	21	1	40	8	112	4	16.6	6.8
Woodstock .....	9,147	147	22	75	6	113	8	335	24	16.0	12.3
Totals .....	147,164	3,322	231	1,578	311	2,041	291	6,941	622	22.5	13.8

The Towns of L'Orignal, Sault Ste. Marie and North Bay included in the above totals have been omitted from Table 6.

**TABLE 4.**  
**Illegitimate Births, Twins and Triplets in the Province.**

Illegitimate Births.		Ratio to 1,000 births.	Number of pair of twins.	Number of cases of triplets.
No.	Proportion to whole number of births.			
728	One to every 65 births.....	15.4	441	9

**TABLE 5.**  
**Births in the Province in 1897. shewing the proportion of Male to Female Births**

Sex.	January.	February.	March.	April.	May.	June.	July.	August.	Septemb'r	October.	Novemb'r	Decemb'r.	Total.
Males .....	2,113	1,894	2,313	2,012	2,052	1,915	2,097	2,174	2,135	2,034	1,778	1,837	24,354
Females .....	1,985	1,924	2,142	2,026	1,939	1,817	1,907	2,082	1,975	1,773	1,711	1,688	22,969
Total.....	4,098	3,818	4,455	4,038	3,991	3,732	4,004	4,256	4,110	3,807	3,489	3,525	47,323
Male births to 100 female births .....	106.4	F to M. 101.6	107.9	F. to M. 100.7	105.8	105.3	109.9	103.4	108.1	114.7	103.9	108.8	105.9

**TABLE 6.**  
**Order of Births by Months in the Province.**

Months.	Males.	Months.	Females.	Months.	Total Males and Females.
March .....	2,313	March .....	2,142	March .....	4,455
August .....	2,174	August .....	2,082	August.....	4,256
September .....	2,135	April .....	2,026	September .....	4,110
January.....	2,113	January .....	1,985	January.....	4,098
July .....	2,097	September .....	1,975	April .....	4,038
May .....	2,052	May .....	1,939	July .....	4,004
October .....	2,034	February.....	1,924	May .....	3,991
April .....	2,012	July .....	1,907	February.....	3,818
June .....	1,915	June .....	1,817	October .....	3,807
February.....	1,894	October .....	1,773	June .....	3,732
December .....	1,837	November .....	1,711	December .....	3,525
November .....	1,778	December .....	1,688	November .....	3,489
Total.....	24,354	Total.....	22,969	Total.....	47,323



**TABLE 7.**  
**Marriages by Months in the Province.**

Months.	1896.	Months.	1897.	Quarters.	1896.	Quarters.	1897.
June . . . . .	1,743	December . .	1,896	Quarter ending Dec. 31	4,243	Quarter ending Dec. 31	4,733
December . . .	1,583	June . . . . .	1,682	" " June 30	3,782	" " June 30	3,577
September . . .	1,468	September . .	1,633	" " Mar. 31	3,450	" " Sept. 30	3,522
October . . . .	1,383	November . .	1,453	" " Sept 30	3,408	" " Mar. 31	3,437
January . . . .	1,296	October . . . .	1,384	Date not given . . . . .	21	Date not given . . . . .	24
November . . .	1,277	March . . . . .	1,227				
April . . . . .	1,171	January . . . .	1,147				
March . . . . .	1,087	February . . . .	1,063				
February . . . .	1,067	April . . . . .	989				
July . . . . .	1,050	July . . . . .	968				
August . . . . .	890	August . . . . .	921				
May . . . . .	868	May . . . . .	906				
No date given . .	21	No date given . .	24				
Total . . . . .	14,904	Total . . . . .	15,293	Total . . . . .	14,904	Total . . . . .	15,293

**TABLE 8.**  
**Marriages by Denominations in the Province.**

Denominations.	Number of persons married.	Per cent of whole.	Proportion to the whole number of persons married.
Methodists . . . . .	10,480	34.3	One to 2.9 persons.
Presbyterians . . . . .	6,318	20.7	" 4.8 "
Church of England . . . . .	5,004	16.4	" 6.1 "
Roman Catholics . . . . .	4,370	14.2	" 7.0 "
Baptists . . . . .	1,787	5.8	" 17.1 "
Lutherans . . . . .	803	2.7	" 38.1 "
Congregationalists . . . . .	240	.8	" 127.4 "
Evangelical Association . . . . .	231	.7	" 132.4 "
Mennonites . . . . .	150	.5	" 203.9 "
Quakers . . . . .	48	.1	" 637.2 "
Other denominations . . . . .	862	2.9	" 35.5 "
No denominations given . . . . .	293	.9	" 104.4 "
Total . . . . .	30,586	100.0	

TABLE 9.

Showing the Death rate per 1,000 of Population in each County of the Province for ten years.

Counties.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	Average rate per county for ten years.
Algoma .....										15.9	
Brant .....	11.2	12.7	12.3	10.5	11.4	11.3	10.4	12.1	12.3	12.2	11.6
Bruce .....	7.7	7.4	7.1	8.3	8.3	8.3	8.7	7.9	9.7	9.7	8.3
Carleton .....	19.6	18.2	18.4	8.9	13.6	15.5	16.9	17.7	17.9	20.3	16.7
Dufferin .....	9.1	9.7	10.0	10.8	9.6	8.9	7.3	7.9	8.0	8.4	8.9
Elgin .....	11.4	9.2	9.9	9.2	9.1	9.9	8.5	10.2	10.1	11.0	9.8
Essex .....	15.8	12.1	12.5	12.0	12.2	11.9	11.6	12.0	12.6	12.9	12.5
Frontenac .....	10.2	15.9	15.7	13.7	14.5	12.4	11.1	11.2	13.3	13.8	13.1
Grey .....	7.6	7.0	7.3	7.4	7.7	7.7	7.8	8.1	9.7	9.5	7.9
Haldimand .....	10.0	8.5	6.7	8.2	10.3	6.6	9.5	8.4	7.7	10.5	8.6
Halton .....	9.4	8.6	8.9	9.3	9.9	9.0	8.7	8.9	9.2	9.2	9.1
Haliburton .....	7.3			8.0	9.2	8.6	8.2	10.7	12.4	11.2	
Hastings .....	10.7	10.7	10.6	8.3	8.9	9.0	7.9	9.2	11.2	11.4	9.8
Huron .....	7.5	7.3	7.4	8.2	8.5	9.1	7.4	7.7	8.3	10.5	8.2
Kent .....	9.0	8.6	8.3	8.4	8.7	8.7	9.3	9.2	9.8	11.7	9.1
Lambton .....	9.8	9.5	9.1	8.1	8.4	9.1	8.0	7.6	8.6	10.8	8.9
Lanark .....	9.2	8.4	8.9	6.6	7.4	7.6	8.9	6.9	10.2	11.8	8.6
Leeds and Grenville .....	8.9	8.2	8.8	7.1	7.2	8.2	6.5	7.3	10.9	12.5	8.5
Lennox and Addington .....	7.4	9.4	7.3	10.1	7.7	7.0	10.2	6.8	9.4	12.6	8.8
Lincoln .....	13.1	11.4	12.8	10.9	14.3	11.4	13.0	13.1	12.2	14.4	12.6
Middlesex .....	10.4	10.4	11.6	8.9	10.9	10.1	10.0	9.6	8.7	10.7	10.1
Muskoka .....										11.4	
Norfolk .....	8.7	7.3	8.1	8.5	9.5	8.2	8.1	9.2	9.4	12.1	8.9
Northumberland and Durham .....	8.8	8.1	9.9	10.7	10.1	9.7	10.5	9.9	10.1	11.6	9.9
Nipissing .....										23.5	
Ontario .....	10.0	9.3	9.4	9.8	11.0	10.3	10.0	9.8	10.2	10.6	10.0
Oxford .....	11.3	10.9	11.1	9.7	11.4	10.9	10.9	10.3	11.3	11.8	10.9
Peel .....	11.0	9.2	7.8	7.7	7.5	7.9	7.8	7.1	9.4	9.1	8.4
Perth .....	8.4	8.3	8.2	8.9	9.1	8.1	8.9	9.0	8.8	9.5	8.7
Peterborough .....	10.6	10.6	11.4	11.1	12.1	10.8	12.6	10.4	11.2	12.0	11.2
Prescott and Russell .....	13.1	14.3	14.3	10.6	12.9	11.7	14.9	11.7	13.1	16.9	13.3
Prince Edward .....	11.4	10.1	11.3	11.1	11.5	11.6	12.8	9.7	13.8	12.4	11.5
Parry Sound .....										14.7	
Rainy River .....										33.1	
Renfrew .....	8.2	8.8	7.2	7.7	9.5	9.6	10.6	9.9	12.2	13.0	9.6
Simcoe .....	8.0	8.0	6.4	8.1	8.1	8.2	9.3	7.4	10.7	11.7	8.6
Stormont, Dundas and Glengarry .....	5.5	8.8	9.2	8.5	8.9	8.8	7.3	7.8	9.0	12.7	8.6
Thunder Bay .....										20.4	
Victoria .....	7.7	9.1	7.7	9.9	10.9	10.0	9.7	9.0	9.8	10.8	9.4
Waterloo .....	14.2	11.1	11.9	11.6	10.5	9.9	9.9	10.1	10.1	10.9	11.0
Welland .....	10.9	11.1	9.4	12.4	10.5	11.1	9.5	11.0	12.1	14.4	11.2
Wellington .....	9.1	10.0	9.2	10.1	10.6	9.8	10.3	9.5	9.5	9.9	9.8
Wentworth .....	15.8	15.1	14.4	13.2	11.7	13.1	12.5	12.7	13.2	12.1	13.4
York .....	19.3	19.0	16.3	15.9	16.4	16.1	13.1	13.2	12.4	12.9	15.4
Average rate .....	11.0	10.7	11.1	10.2	10.7	10.6	10.3	10.1	10.9	12.2	10.8

Owing to the changing of the territorial boundaries in Algoma, Nipissing, Muskoka and Parry Sound, they have been inserted in this table for 1897 only.

## Recapitulation by Classes of Diseases by Counties, 1897, including Cities and Towns.

Cause of Death.	Sex.		Nativity.		Social condition.		Ages.												Months.												Totals.										
	Male.	Female.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	Under 5.					6 and over.							Months.																				
									0-1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 and over.	Not given.	January.	February.	March.		April.	May.	June.	July.	August.	September.	October.	November.	December.	
I. Communicable (Epidemic) diseases .....	1142	1157	21035	294	105	253	38	244	182	171	157	171	323	149	92	76	88	58	35	25	36	53	81	141	103	142	265	285	364	269	156	131	100	116	125	183	154	157	2290		
II. Other general diseases .....	2250	2642	15714	1169	60	1353	1469	2021	153	69	31	26	27	71	125	301	327	532	412	384	362	316	580	601	320	83	333	384	412	479	482	443	386	402	398	436	389	354	377	4943	
III. Diseases of nervous system and organs of sense .....	1533	1437	2107	700	33	1428	648	914	704	192	83	62	48	98	78	65	69	62	78	76	96	215	376	392	192	23	265	259	282	248	263	223	302	240	246	224	200	224	2900		
IV. Diseases of the circulatory system .....	1022	1034	21123	887	48	259	755	1044	12	10	3	8	3	38	36	60	68	67	55	100	89	119	269	557	392	124	181	190	205	210	169	178	171	173	140	144	165	175	148	2058	
V. Diseases of the respiratory system .....	1651	1483	32102	900	30	1332	799	1006	618	230	109	56	34	81	57	80	93	93	107	91	102	124	230	349	455	211	17	887	419	558	379	241	196	115	82	122	184	199	233	3137	
VI. Diseases of the digestive system .....	1438	1301	22261	453	30	1649	465	630	1082	172	44	24	30	86	83	112	97	93	84	87	59	89	161	231	175	68	19	435	133	148	139	161	184	307	521	519	257	121	119	2744	
VII. Diseases of the genito-urinary system .....	428	288	400	288	19	08	201	417	9	4	6	5	6	13	11	17	30	43	30	41	36	52	102	137	126	42	6	62	57	79	57	66	51	60	57	59	50	65	53	716	
VIII. Puerperal diseases .....	274	231	42	1	4	254	16	...	...	...	...	...	...	...	1	13	57	68	48	46	22	12	1	1	...	...	5	20	40	23	32	26	19	21	20	21	17	17	18	274	
IX. Diseases of the skin and cellular tissue .....	26	25	35	13	3	12	15	24	3	1	2	...	...	...	1	2	3	4	1	2	...	2	11	6	12	...	1	4	10	4	5	4	5	4	2	5	1	2	51		
X. Diseases of the locomotor system .....	17	23	28	12	...	10	11	19	...	...	...	1	...	3	3	2	9	2	1	2	1	3	3	7	2	1	...	2	4	3	4	1	7	3	3	5	3	3	40		
XI. Malformations, diseases of infants, diseases of old age .....	3580	5042	274234	2325	503	3462	1474	1673	3284	87	30	6	4	1	...	...	...	...	...	...	...	...	...	...	...	1308	1792	7472	392	620	508	550	513	805	540	540	467	523	6609		
XII. Suicide .....	76	27	59	38	6	14	24	63	...	...	...	...	...	...	7	7	6	9	7	5	10	21	19	7	2	3	6	5	13	8	12	9	12	5	5	15	8	5	103		
XIII. Accidents .....	723	223	3	676	243	306	371	122	456	20	31	26	23	15	67	64	70	82	93	40	56	32	55	72	76	59	50	18	66	71	61	59	75	87	110	98	88	93	76	65	949
XIV. Ill-defined causes .....	321	339	456	242	22	141	242	337	8	5	9	10	8	25	28	17	25	34	36	41	37	43	85	141	108	41	103	60	77	60	54	69	55	57	57	50	65	54	62	720	
Totals .....	14227	13366	40	19610	7673	348	11791	6832	9010	6187	983	514	378	346	806	636	944	1139	1192	943	970	746	1833	2682	3687	2707	183	2418	2573	2990	2625	2204	2069	2180	2262	180	1894	1986	27633		

TABLE No. 11.  
Recapitulation by Classes of Diseases by Cities, 1897.

Cause of Death	Sex.	Nativity.		Social condition.		Ages.										Months.												Totals.												
		Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	Under 5.					10 and over.					January.	February.	March.	April.	May.	June.	July.		August.	September.	October.	November.								
											0-1.	1-2.	2-3.	3-4.	5-9.	10-14.	15-19.	20-24.	25-29.	30-34.													35-39.	40-44.	45-49.	50-54.	55-59.	60-64.	65-69.	70-74.
Communicable (epidemic) diseases.	306	286	316	72	4	103	61	128	58	118	3117	23	25	17	13	3	12	12	21	9	48	30	34	43	43	59	52													
Other general diseases	657	729	1 923	434	30	367	309	721	106	26	6	7	7	20	3693	138	142	110	104	75	88	170	149	67	13	103	120	152	116	106	121	102	118	127	38	103	1387			
Diseases of nervous system and organs of sense	411	368	368	197	14	419	103	257	229	39	22	28	33	19	25	15	17	19	22	19	23	26	71	83	26	8	75	61	70	65	80	53	52	63	54	51	50	64	779	
Diseases of circulatory system	311	335	2 258	326	22	66	173	107	1	1	1	1	1	1	15	20	16	21	37	31	41	100	158	130	59	7	46	64	59	51	70	60	56	43	47	49	56	51	616	
Diseases of respiratory system	407	369	2 494	365	16	320	144	303	171	48	22	14	10	18	9	25	30	22	24	26	21	32	53	88	105	55	6	85	96	120	89	75	47	36	23	28	43	51	76	769
Diseases of digestive system	415	412	697	123	7	372	95	162	133	12	1	3	3	11	29	22	23	11	25	14	18	48	29	10	2	30	32	35	36	40	64	129	214	140	49	27	31	827		
Diseases of the genito urinary system	130	111	128	125	8	31	54	173	1	1	2	3	2	1	11	20	30	16	11	23	14	52	35	13	3	22	28	24	23	21	13	23	28	23	14	26	10	361		
Puerperal diseases	57	45	45	12	2	41	14	1	1	1	1	1	1	1	12	12	9	9	4	3	1	1	1	1	1	6	7	4	9	6	3	5	4	5	3	2	3	57		
Diseases of the skin and cellular tissue	7	8	11	2	2	1	4	7	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15		
Diseases of the locomotor system	8	9	9	8	1	4	12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	17		
Malformations, diseases of infancy, diseases of old age	773	633	241123	315	121067	125	288	1636	12	5	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	186	
Suicide	14	6	9	7	4	5	4	11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	20		
Accidents	199	56	3	133	68	18	49	21	126	9	5	2	6	2	13	14	11	13	24	12	19	13	13	17	10	4	11	16	12	10	20	20	26	24	22	24	17	17	219	
Ill-defined causes	42	63	3	62	40	6	20	32	3	1	2	2	2	6	1	7	7	11	7	3	12	17	8	7	3	6	12	10	8	6	7	7	13	10	8	15	6	198		
Total	3661	3461	5006	2024	147	3391	1141	2645	2086	218	131	103	250	145	229	288	319	249	198	261	522	620	704	390	57	370	645	701	637	596	545	639	684	601	534	502	523	7177		



## Recapitulation by Classes of Diseases by Towns, 1897.

	Sex.		Nativity.		Social condition.		Ages.												Months.												Totals.								
	Male.	Female.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	Under 5.												January.	February.	March.	April.	May.	June.	July.	August.	September.	October.		November.	December.						
									0-1.	1-4.	5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.														60-69.	70-79.	80 and over.			
I. Communicable (Epidemic) diseases.....	76	73	129	20	36	99	20	36	17	10	5	11	24	10	6	10	10	6	4	5	1	6	4	7	4	1	6	22	26	18	8	11	13	6	7	16	9	7	149
II. Other general diseases.....	100	191	284	64	132	111	108	132	7	2	1	1	8	10	31	47	38	38	18	18	24	41	44	72	3	1	22	32	31	32	35	25	39	21	31	16	27	40	351
III. Diseases of nervous system and organs of sense.....	112	106	159	58	1	103	51	64	52	15	7	3	8	7	5	4	3	3	6	11	5	8	11	30	25	20	18	26	23	20	20	11	15	25	20	8	17	15	218
IV. Diseases of the circulatory system.....	84	66	93	56	1	22	52	76	4	1	...	5	2	5	4	11	2	5	7	12	29	32	18	11	2	15	13	14	14	9	11	16	3	14	17	12	12	150	
V. Diseases of the respiratory system.....	134	110	169	74	1	109	78	57	46	32	7	3	5	4	8	3	6	8	8	5	22	33	30	17	5	29	34	39	34	17	12	10	11	12	10	18	18	244	
VI. Diseases of the digestive system.....	130	107	194	41	2	155	32	56	88	19	2	4	3	5	7	14	10	4	13	11	5	5	13	15	9	7	9	7	10	7	10	19	30	41	42	31	16	15	237
VII. Diseases of the genito-urinary system.....	33	25	33	24	1	11	25	22	2	...	...	1	2	1	1	2	4	1	2	3	8	12	15	9	...	2	4	7	8	6	2	3	6	4	7	4	5	85	
VIII. Puerperal diseases.....	18	...	14	4	...	1	...	1	1	...	...	...	...	...	4	5	4	3	2	...	...	...	...	...	1	3	2	1	2	1	1	3	2	1	1	...	1	18	
IX. Diseases of the skin and cellular system.....	1	1	2	...	...	1	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	2		
X. Diseases of the locomotor system.....	2	1	3	...	...	3	...	...	1	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	3		
XI. Malformations, diseases of Infants, dis. of old age.....	254	210	310	151	3	279	99	84	262	7	2	1	...	...	...	...	...	...	...	...	78	111	...	...	39	36	47	44	36	35	46	40	29	44	29	33	464		
XII. Suicide.....	6	5	5	6	...	1	4	6	...	...	...	...	...	...	1	2	...	...	...	...	2	1	4	1	...	1	1	2	1	...	...	2	...	...	3	...	1	11	
XIII. Accidents.....	61	13	48	24	2	20	10	44	1	...	2	1	2	2	1	6	3	15	7	3	3	9	8	8	2	1	10	5	3	3	8	5	7	9	9	5	6	4	74
XIV. Ill-defined causes.....	23	24	29	16	2	6	15	23	2	...	...	...	...	2	2	5	4	3	5	6	6	8	2	3	3	5	3	5	2	3	6	1	3	5	3	8	17		
Totals.....	1076	950	1472	538	16	910	511	595	479	94	31	18	24	58	40	73	96	95	90	69	69	71	139	191	197	181	11	186	207	189	183	138	188	166	176	160	143	163	2026



No. 13.

## DISEASES BY COUNTIES IN ONTARIO, 1897.

Middlesex.	Muskoka	Norfolk.	Northumb'd & Durh'm	Nipissing.	Ontario.	Oxford.	Peel.	Perth.	Peterborough.	Prescott & Russell.	Prince Edward.	Parry Sound.	Rainy River.	Renfrew.	Simcoe.	Stor., Dun. & Gleng'y.	Thunder Bay.	Victoria.	Waterloo.	Welland.	Wellington.	Wentworth.	York.	Totals.	
15	1	8	12	2	11	5	3	9	1	6	..	3	10	6	6	9	..	6	7	5	11	9	41	355	
5	..	1	..	..	..	2	..	..	2	15	..	..	1	..	1	8	1	..	..	..	..	7	3	80	
3	..	..	6	..	..	4	2	2	3	3	..	..	3	11	3	1	..	..	2	2	..	7	3	169	
9	1	3	4	..	7	1	1	6	3	26	2	2	2	2	3	3	1	2	5	5	6	..	5	163	
43	4	19	18	16	11	15	2	4	10	52	11	17	1	30	29	48	4	8	26	21	9	28	187	976	
34	1	9	16	16	11	18	8	5	3	18	4	7	12	25	10	31	1	9	17	9	14	6	24	549	
9	3	6	3	..	5	3	..	7	..	2	..	2	1	1	2	2	..	2	5	5	4	10	30	7	
3	5	1	..	..	6	..	2	..	2	..	..	..	1	1	3	..	..	2	..	1	..	..	..	193	
128	13	43	107	20	72	56	37	49	54	83	25	15	14	57	110	122	10	40	44	51	60	126	551	3,154	
44	7	13	21	3	23	35	8	26	10	16	14	3	..	13	26	38	3	11	21	13	29	39	140	927	
10	..	1	9	..	1	3	..	6	4	4	1	..	..	3	6	6	..	1	2	2	3	5	9	126	
5	1	5	2	1	1	3	4	1	6	1	1	1	..	2	3	3	1	2	4	2	..	3	19	151	
16	5	2	8	5	3	5	1	9	6	7	1	..	1	16	15	16	1	5	8	2	5	11	35	317	
8	1	..	..	..	4	7	..	7	1	7	2	1	6	9	6	3	2	2	2	6	4	..	2	8	194
27	6	2	14	..	8	4	3	18	8	6	4	..	..	3	17	8	3	5	6	5	13	10	86	428	
3	..	2	3	..	7	1	..	..	2	1	..	..	..	1	4	8	1	5	5	5	6	6	19	171	
34	2	17	29	4	17	16	9	21	12	5	5	4	2	4	18	8	3	10	9	11	10	36	40	511	
2	..	1	..	..	4	1	2	..	..	..	1	..	..	4	..	..	..	1	1	..	..	2	10	54	
34	3	21	30	1	20	17	4	15	9	14	10	7	..	5	11	22	..	12	5	16	14	22	69	730	
6	..	4	..	3	3	2	..	..	2	1	..	..	..	1	1	..	..	2	2	2	7	7	12	35	
2	..	1	5	1	1	3	..	4	2	6	1	..	1	2	8	1	..	2	4	3	2	4	10	113	
19	8	9	22	2	9	6	5	13	13	18	1	17	8	18	20	18	5	7	25	10	14	18	104	624	
5	3	1	1	2	1	5	1	1	1	..	3	..	..	4	4	5	..	2	3	3	3	5	9	110	
3	..	..	..	..	1	1	..	1	..	..	..	1	..	..	3	..	1	..	..	1	..	2	14	49	
65	8	20	24	7	21	24	10	27	18	27	21	8	2	16	31	25	6	12	21	9	27	58	237	1,270	
2	1	1	1	..	1	..	..	27	..	..	2	..	..	..	1	..	..	1	3	1	..	1	11	52	
..	..	..	4	..	1	..	..	..	..	1	..	..	..	..	..	2	..	1	..	2	..	2	87	156	
11	5	5	19	2	15	17	12	2	8	4	1	2	7	17	29	15	..	8	10	9	12	2	21	542	
27	6	4	5	..	2	8	4	8	7	13	1	6	5	9	24	9	5	3	12	6	12	6	59	366	
16	5	6	11	3	11	7	4	9	8	5	1	2	1	3	12	13	..	5	9	5	9	18	43	322	
11	2	1	..	1	1	1	2	10	2	2	1	3	2	..	5	..	2	1	2	3	2	6	26	144	
62	9	21	70	21	27	63	13	27	19	21	17	6	2	32	46	54	4	19	36	27	26	74	199	1,566	
4	..	2	3	1	1	3	1	2	..	3	1	2	..	2	1	2	..	1	3	3	2	4	6	77	
34	3	14	14	7	5	12	7	8	10	8	5	2	3	11	27	22	6	15	16	15	15	12	29	522	
2	1	1	5	..	2	2	1	1	..	1	3	..	..	5	4	7	1	2	6	1	..	5	14	122	
4	1	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	2	3	18	
2	1	..	7	1	1	..	..	..	..	..	..	..	..	..	1	3	..	4	2	1	2	3	9	69	
3	..	..	6	..	5	6	..	3	3	..	..	3	..	3	10	8	1	..	5	..	1	7	21	167	
35	3	16	19	15	13	11	3	12	13	56	3	16	11	41	22	31	7	7	16	13	13	26	195	1,119	
17	2	11	10	1	7	6	3	3	3	7	4	3	8	14	11	4	..	6	1	2	5	15	21	300	
6	1	1	1	..	5	1	2	..	3	1	..	1	..	5	5	..	..	1	1	..	..	6	11	92	
2	..	..	3	..	2	2	..	..	2	..	..	1	1	..	3	2	1	..	3	1	5	2	14	110	





--Concluded.

## DISEASES BY COUNTIES IN ONTARIO, 1897.

Middlesex.	Muskoka.	Norfolk.	Northumb'd & Durh'n	Nipissing.	Ontario.	Oxford.	Peel.	Perth.	Peterborough.	Prescott & Russell.	Prince Edward.	Parry Sound	Rainy River.	Renfrew.	Simcoe.	Stor., Dun. & Gleng'y.	Thunder Bay.	Victoria.	Waterloo.	Welland.	Wellington.	Wentworth.	York.	Totals.
5 13 15	1 4 6	13 19 6	2 2 2	9 1 12	5 8 3	1 1 2	3 5 3	1 5 5	2 2 5	1 1 1	1 4 1	1 3 1	1 6 1	5 6 7	5 14 7	18 7 4	4 4 6	6 4 6	5 4 9	9 7 4	4 6 9	6 8 7	29 27 55	208 273 264
4 8 37	3 1 4	1 4 6	1 4 1	2 3 3	10 1 9	4 4 4	4 5 5	2 6 4	2 4 4	2 4 7	1 2 2	1 3 3	1 4 4	3 1 1	10 2 14	4 5 6	1 1 1	2 3 6	3 6 6	1 2 2	6 3 10	6 10 27	26 44 32	142 175 331
...	...	...	2	...	...	2	1	3	...	2	1	...	...	...	1	2	...	...	...	...	...	...	26	84
3	1	2	1	2	4	1	1	3	1	...	1	...	...	2	2	1	...	3	...	...	1	4	7	10
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8	80
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	7	
...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	7	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	4	5	3	2	...	2	3	3	10	10	1	2	4	3	7	9	1	7	8	2	6	1	3	13
3	...	...	1	...	...	...	...	...	...	...	...	...	1	5	1	...	...	...	...	...	...	1	9	
2	3	...	...	...	...	2	...	1	...	3	...	...	2	5	2	...	...	...	...	...	...	2	17	
6	3	...	1	...	...	...	1	2	1	1	...	...	...	...	...	...	...	...	...	...	2	18	61	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	
...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	2	45	
...	...	3	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	6	
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10	5	
25	11	4	22	18	20	32	3	9	36	26	11	9	5	32	28	24	10	21	15	11	19	39	1	7
57	17	16	46	67	28	34	8	26	46	123	18	32	10	54	60	78	14	26	41	26	45	107	71	1,709
133	18	42	158	13	57	81	34	88	51	75	42	7	1	79	145	153	2	54	95	76	130	124	258	579
4	...	1	2	3	3	3	1	2	1	...	...	...	...	1	1	1	...	1	1	...	...	1	3	3,196
3	...	...	1	...	1	1	1	...	...	...	...	...	...	...	...	...	...	...	3	1	...	3	1	39
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	44
...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	2
13	8	9	13	7	8	16	5	15	4	8	4	1	2	11	13	16	4	1	2	1	1	2	13	13
...	1	3	1	1	1	1	...	...	1	...	1	1	1	2	2	...	1	1	1	21	26	48	455	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	33
1	11	...	6	2	6	1	1	1	6	2	1	11	9	6	14	4	4	2	1	8	1	5	32	8
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	234
2	1	2	3	4	3	1	2	3	2	1	...	1	2	4	2	2	2	1	4	...	2	9	3	101
5	2	3	4	3	1	2	...	...	...	...	2	...	...	2	3	...	...	1	3	...	1	18	93	
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	12	7
20	2	12	8	3	10	5	8	4	4	3	1	1	3	7	18	...	5	12	9	7	6	19	296	
13	2	6	4	2	1	7	4	4	5	2	2	2	3	5	6	...	4	5	5	5	12	21	234	
11	2	4	6	13	1	4	1	6	22	2	2	3	10	8	13	...	2	4	2	2	6	9	191	
162	201	400	868	294	509	625	240	524	451	762	249	231	148	635	894	942	118	380	585	469	626	1,017	3,871	27,633

TABLE No. 14.

Total Deaths by Individual Diseases in Cities in 1897.

General diseases.	Toronto.	Hamilton.	Ottawa.	London.	Kingston.	Brantford.	St. Thomas.	Guelph.	St. Catharines.	Belleville.	Stratford.	Windsor.	Chatham.	Totals.
<b>I.—COMMUNICABLE (EPIDEMIC) DISEASES.</b>														
Typhoid Fever .....	36	5	24	8	5	9	3	2	3	8	1	2	11	117
Smallpox .....	2				2		1							7
Measles .....	75	6	4	3				1	2					91
Scarlet Fever .....	4		6	7	5			1						23
Whooping Cough .....	161	19	44	20	12	8	12	1	4	2	3	8	1	295
Diphtheria and Croup .....	13	3	16	5	3	5	7		2	1		1	2	58
Influenza .....	1													1
Other epidemic diseases .....														
<b>II.—OTHER GENERAL DISEASES.</b>														
Pyæmia and Septicæmia .....	29	8	7	6	5	1	2	3	1		2	2	1	67
Malarial Fever .....					1									1
Tuberculosis and Scrofula .....	464	83	134	52	54	25	17	14	15	20	13	17	12	920
Syphilis .....	8	1	3		1	1			1					15
Cancer .....	114	28	29	17	13	6	8	6	5	7	5	3	6	247
Rheumatism and Gout .....	5	2	5	3	1				1		2			19
Diabetes .....	13	3	5		6	1	1			1	1		1	32
Other general diseases .....	28	11	10	5	7	1	2	2	1	2	4	4	4	81
Alcoholism, acute and chronic .....	2		1			1			1					5
<b>LOCAL DISEASES.</b>														
<b>III.—DISEASES OF NERVOUS SYSTEM AND ORGANS OF SENSE.</b>														
Encephalitis .....	1	2	10	6	5	1	3				1	3	2	34
Simple Meningitis .....	79	9	24	16	4	3	4	3	5	5	3	5	11	171
Epidemic Cerebro-spinal Meningitis .....	12		8	1	5			1		2		2	1	32
Congestion and Hemorrhage of the Brain .....	24	30	1	14	4			8	4	11	6	2	2	106
Softening of the Brain .....	8	1	2						1			1	3	16
Paralysis without special cause .....	65	18	26	6	12	2	5	2	4	4	5	6		155
Insanity .....	8		1	3								1		13
Epilepsy .....	16	2	2		2	1						1	1	25
Convulsions (not puerperal) .....	92	14	50	4	14	13	3	1	2	3	3	4	1	203
Other nervous diseases .....	7	4	2	2		1	3	1	2	1				25
<b>IV.—DISEASES OF CIRCULATORY SYSTEM.</b>														
Pericarditis .....	4			3			1					2	1	11
Endocarditis .....	14	2	4	3			1							24
Organic Heart Diseases .....	198	38	33	33	10	15	8	14	14	11		17	18	408
Angina Pectoris .....	11		2	1	4	1				1			1	21
Diseases of the Arteries, Atheroma, Aneurism, etc. ....	87	1	5		1							5		99
Other diseases of the Circulatory System .....	7		25	4	15	15	5		2	1	2	8	2	80
<b>V.—DISEASES OF THE RESPIRATORY SYSTEM.</b>														
Acute Bronchitis .....	49	3	24	12	1	1	1	1	3	2		4		100
Chronic Bronchitis .....	35	12	7	7	3	6		2	4	3	1	1	1	80
Broncho-pneumonia .....	19	1	21	2	1			1	1	1		2		48
Pneumonia .....	152	48	67	30	21	21	14	4	10	17	1	10	16	411
Pleurisy .....	5	3	3	2		1								15
Congestion of the Lungs (including Pulmonary Apoplexy) .....	16	4	26	7	3		3	4	2	2	2		2	77
Asthma and Emphysema .....	10	5	5		4					1			1	22
Other diseases of the Respiratory System .....	3	2		4										19
<b>VI.—DISEASES OF THE DIGESTIVE SYSTEM.</b>														
Ulcer of the Stomach .....	7	2	2				2	1						12
Other diseases of the Stomach (Cancer excepted) .....	13	3	4	1	3	3	1	1	2				3	30
Infantile Diarrhoea and Gastro enteritis ("Cholera Infantum") .....	172	23	172	22	21	10	5	4	6	11	5	4	1	455
Diarrhoea and Enteritis (not infantile) .....	16	10	7	5	1		3	1		2	1	2	2	42
Dysentery .....	10	1	6	1			3							21
Hernia and Intestinal obstruction .....	10		7		4	2	1	2	1	1		3	2	33

TABLE No. 14.—Continued.

General diseases.	Toronto.	Hamilton.	Ottawa.	London.	Kingston.	Brantford.	St. Thomas.	Guelph.	St. Catharines.	Belleville.	Stratford.	Windsor.	Chatham.	Total.
Other diseases of the Intestines .....	17	5	1	4	.....	.....	.....	2	.....	1	1	.....	3	34
Diseases of the Liver .....	22	7	5	9	1	1	.....	3	3	1	1	2	.....	55
Peritonitis (not puerperal) .....	42	5	9	8	3	2	1	3	3	1	1	5	.....	83
Iliac Abscesses (Typhlitis, Perityphlitis, Appendicitis).....	24	3	.....	2	1	.....	.....	2	1	6	1	.....	1	41
VII.—DISEASES OF THE GENITO-URINARY SYSTEM.														
Acute Nephritis .....	41	10	13	4	2	2	1	.....	1	4	.....	4	2	84
Bright's Disease .....	25	17	12	17	2	2	2	3	3	1	1	2	1	88
Other diseases of the Kidneys and Adnexa .....	26	.....	2	.....	1	1	.....	.....	1	4	.....	.....	.....	35
vesical Calculi .....	7	.....	2	.....	.....	.....	.....	.....	.....	.....	1	1	.....	11
Diseases of the bladder .....	7	2	5	1	4	1	.....	2	1	.....	.....	.....	.....	23
Diseases of the Male Genital Organs ..	4	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1	6
etritis .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other diseases of the Uterus .....	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
Ovarian Cysts and other Ovarian Tumors .....	2	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	4
Other diseases of the Female Genital Organs .....	1	.....	1	.....	.....	.....	.....	.....	1	.....	.....	.....	1	4
XIII.—PUERPERAL DISEASES.														
Puerperal Septicaemia .....	11	1	9	1	2	.....	.....	2	1	1	1	.....	.....	29
Puerperal Albuminuria and Convulsions .....	4	.....	.....	2	.....	.....	.....	.....	.....	1	.....	1	.....	8
Other accidents of Pregnancy sudden death .....	18	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	20
Puerperal disease of the Breast .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
IX.—DISEASES OF THE SKIN AND CELLULAR TISSUE.														
Erysipelas .....	2	1	7	1	.....	1	.....	.....	.....	.....	1	.....	1	14
Other diseases of the Skin and its Adnexa (Cancer excepted) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
X.—DISEASES OF THE LOCOMOTOR SYSTEM.														
Pott's disease .....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Diseases of Bones and Joints .....	10	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14
Amputation (for unspecified diseases) ..	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
XI.—MALFORMATIONS, DISEASES OF INFANCY, DISEASES OF OLD AGE.														
Still-Births .....	313	33	80	8	9	15	2	5	13	9	3	6	9	505
Congenital Debility and Malformations .....	22	86	72	21	11	9	9	11	12	7	6	10	10	286
Other diseases of infancy .....	168	.....	73	.....	4	14	2	.....	.....	1	1	3	.....	266
Senile Decay .....	118	57	54	37	40	26	15	16	11	19	14	9	7	423
XII.—SUICIDE.														
Poison .....	1	1	1	2	.....	.....	.....	.....	.....	1	1	.....	.....	7
Strangulation .....	.....	3	2	.....	1	2	1	.....	.....	.....	.....	.....	.....	9
Gas Poisoning .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Drowning .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Firearms .....	1	1	.....	.....	.....	.....	.....	1	.....	.....	.....	1	.....	4
XIII.—ACCIDENT.														
Fractures and Dislocations .....	40	17	16	4	2	7	4	1	3	1	3	1	6	105
Gunshot .....	2	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
Lightning .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Drowning .....	26	1	6	.....	1	3	.....	1	1	1	1	1	2	44
Electric Cars .....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Bicycles .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Railways .....	6	1	12	1	1	2	.....	.....	1	4	1	.....	1	30
Burns and Scalds .....	15	1	9	2	1	1	.....	.....	2	1	.....	1	.....	33
Ionizing .....	1	.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	3
Accidental Poisoning .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
XIV.—ILL-DEFINED CAUSES.														
Dropsy .....	14	4	4	7	7	.....	1	.....	.....	.....	2	1	.....	40
Cumors .....	15	7	4	4	4	2	1	.....	2	.....	.....	1	3	43
Other ill-defined causes .....	4	5	4	6	.....	.....	1	.....	2	1	2	.....	.....	25
Total .....	3,122	676	1,242	459	359	248	157	134	160	187	103	169	161	7,177



TABLE No. 15.

Deaths from Tuberculosis in Toronto, 1893 to 1897 inclusive.

Occupations.	Number.	Totals by ages.		Ages.														80 and over.	Not given.
		Aggregate years.	Average years.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.						
				191	256	271	214	182	97	87	121	66	41	10	15				
Agents.....	14	648	46			1	3	4	1	2	2		1						
Artists.....	5	168	33			1	1	1	1	1									
Blacksmiths.....	6	201	33	1		1	1	1		1	1								
Brewers.....	2	72	35			1				1									
Bricklayers.....	2	55	26		1		1												
Barbers.....	7	203	29		2	2	2	1											
Butchers.....	11	347	31		3	1	3	1	3										
Bookkeepers, clerks, etc.	80	2326	28	12	21	24	13	6		1	2	1							
Bakers and confectioners.....	3	93	31	1		1				1									
Carpenters.....	17	780	46			2	1	3	2	3	2	2	2						
Cabinetmakers.....	3	129	43			1				2									
Coopers.....	3	121	40					1	1	1									
Convicts.....	2	46	23		2														
Chemists and druggists.....	3	142	47					1		1	1								
Clergymen.....	3	125	41				1	1			1								
Contractors.....	3	125	41					2		1									
Carriagemakers.....	2	109	54				1						1						
Dairymen.....	3	127	42				1		1	1									
Dentists.....	1	21	21		1														
Engineers.....	12	480	40		1			2	3	2	3					1			
Editors.....	2	70	35					2											
Farmers.....	29	1222	42		3	4	3	2	3	4	4	2	3	1					
Farmers' wives.....	3	184	61								1	2							
Factory employees, male.....	13	443	34	1	2	2	4	2		1	1								
do female.....	5	132	26		2	1	2												
Gentlemen.....	14	741	53		1	2		1	1		4	2	2	1					
Gardeners.....	4	129	32		1	1	1	1											
House wives.....	221	7768	35	6	22	51	36	33	20	15	19	11	1	1	6				
Laborers.....	105	4457	42	5	13	24	10	9	5	7	14	5	13						
Laundry workers.....	3	86	28		1		1	1											
Lawyers.....	4	133	33		1	1		1	1										
Milliners, seamstresses, etc..	21	727	34	3	3	5	3	2	2		1	2							
Machinists.....	23	775	33		1	8	11	1	1		1								
Mechanics.....	41	1136	27	2	12	8	12	2	2		1	1	1						
Moulders.....	7	202	28	2	2	1	1	1											
Millers.....	2	88	44						1	1									
Millwrights.....	3	155	51							1	1	1							
Musicians and piano tuners.	5	182	36			1	1	2	1										
Managers and manufacturers	6	236	39			1	1	3	1										
Merchants.....	23	889	38	1	2	4	2	6	3	2	2	1							
Nuns.....	14	492	35			5	3	2	2	1	1								
Other indoor occupations.....	15	587	39		3	2	2	2	2		4								
Other outdoor do.....	9	352	39	2		1	1	2			1	1	1						
Plumbers and steamfitters..	9	236	26	2	3	1				2									
Painters.....	14	535	38	3	2	1	3		2	1	2								
Printers and lithographers ..	29	866	29	4	7	4	4	6	1	1		1	1						
Pedlars.....	1	33	33				1												
Plasterers.....	3	103	34			1	1			1									
Physicians.....	6	183	30		1	2	2		1										
Public officials.....	8	264	33	1		1	3	1	1		1								



TABLE No 15.—*Concluded.*  
Deaths from Tuberculosis in Toronto.—*Concluded.*

Occupations.	Number.	Totals by ages.		Ages.											
		Aggregate years.	Average years.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-64.	70-79.	80 and over.	Not given.
				191	256	271	214	182	97	87	121	66	41	10	15
Railroad employees.....	11	411	37	....	2	2	2	2	....	....	1	1	1	....	....
Stonecutters.....	13	575	44	....	1	....	1	2	5	1	2	1	....	....	....
Statesmen.....	1	45	45	....	....	....	....	....	....	1	....	....	....	....	....
Shoemakers.....	10	526	52	....	....	1	....	2	2	....	1	3	1	....	....
Sailors.....	6	231	38	....	....	2	....	1	....	....	3	....	....	....	....
Saddlers and harnessmakers.....	5	230	46	....	....	....	1	1	1	....	2	....	....	....	....
Servants.....	36	1046	29	5	10	5	8	3	1	2	1	1	....	....	....
Stenographers.....	6	144	24	....	5	....	8	1	....	....	1	....	....	....	....
Students.....	18	356	19	12	6	....	....	....	....	....	....	....	....	....	....
School children.....	9	129	15	9	....	....	....	....	....	....	....	....	....	....	....
Soldiers.....	3	147	49	....	....	....	1	....	....	....	1	1	....	....	....
Teamsters, drivers, grooms, etc.....	18	593	32	1	5	3	4	3	1	....	....	1	....	....	....
Tavernkeepers.....	7	230	32	....	....	2	4	....	....	....	1	....	....	....	....
Teachers, male.....	4	93	23	1	1	1	1	....	....	....	....	....	....	....	....
do female.....	14	461	32	1	3	4	2	3	....	....	....	1	....	....	....
Travellers, commercial.....	8	339	42	....	....	1	1	3	2	1	....	....	....	....	....
Telegraph operators.....	3	111	37	....	1	1	1	....	....	....	....	....	....	....	....
Telephone do.....	6	146	24	1	3	2	....	....	....	....	....	....	....	....	....
Railors.....	15	663	44	1	1	3	....	3	1	1	1	2	2	....	....
Watchmakers and engravers.....	5	206	41	....	1	2	....	....	....	1	1	....	....	....	....
Widows.....	28	1480	52	....	....	3	3	3	1	3	4	7	3	1	....
Weavers.....	2	40	20	....	1	1	....	....	....	....	....	....	....	....	....
Totals.....	1053	37972	36	77	153	200	165	133	77	64	88	50	33	4	7
No occupation given, males.....	105	3584	34	30	20	13	8	8	6	5	7	2	1	1	4
do do females.....	395	12417	31	84	83	58	41	41	14	18	26	14	7	5	4
Totals.....	1553	53973	34	191	256	271	214	182	97	87	121	66	41	10	15
Children under 15 years of age.....	737	....	....	Under 1.	1 year.	2 years.	3 years.	4 years.	5-9 years.	10-14 years.	....	....	....	....	....
				404	76	25	17	7	51	57	....	....	....	....	....
Total, including children.....	2290	....	....	....	....	....	....	....	....	....	....	....	....	....	....

*Summary of Deaths by Classes of Occupations.*

Males—	Per cent.	Females—	Per cent.
Labourers.....	14.7	Housewives.....	22.1
Artisans (33 trades).....	28.8	Servants.....	3.6
Business men (clerks and travellers).....	12.4	Widows.....	2.8
Farmers.....	2.9	Milliners and seamstresses.....	2.1
Students and school children.....	2.7	Stenographers, telegraph and telephone employees.....	1.5
Professional men (inc. male teachers) ..	2.6	Female teachers.....	1.4
Gentlemen.....	1.4	Nuns.....	1.4
Public officials.....	0.8	Farmers' wives.....	0.3
Sailors.....	0.6		
Soldiers.....	0.3		
Convicts.....	0.2		
Pedlars.....	0.1		

These percentages are calculated for the 1,053 persons whose occupations are named. It may be assumed that the same proportions would be maintained in the 500 additional deaths over 15 years. Thus 83 per cent. of all occupations given belong to those earning a daily wage.

TABLE No. 16.

Deaths from Tuberculosis in Ottawa, 1893 to 1897 inclusive.

Occupations.	Number of deaths.	Aggregate.	Average.	15 to 19.	20 to 24.	25 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
<b>Totals.....</b>	<b>445</b>	<b>By ages.....</b>		<b>57</b>	<b>66</b>	<b>73</b>	<b>115</b>	<b>68</b>	<b>41</b>	<b>18</b>	<b>5</b>	<b>2</b>
Agents.....	1	35 years	35 years				1					
Artists.....	1	22 "	22 "		1							
Bricklayers.....	1	35 "	35 "				1					
Blacksmiths.....	3	112 "	37 "		1		1		1			
Barbers.....	2	90 "	45 "				1					
Bookkeepers and clerks.....	24	770 "	32 "	3	2	10	3	3	3			
Bakers.....	1	27 "	27 "			1						
Carpenters.....	9	303 "	33 "	2		2	3		2			
Cabinetmakers.....	1	34 "	34 "				1					
Chemists and druggists.....	1	33 "	33 "				1					
Clergymen.....	2	126 "	63 "					1				1
Contractors.....	2	102 "	51 "					1	1			
Electricians.....	4	96 "	24 "		1	3						
Farmers.....	3	135 "	45 "					3				
Gentlemen.....	3	154 "	51 "					2		1		
Housewives.....	60	2,161 "	36 "	1	6	12	25	10	4	1	1	
Laborers.....	45	1,818 "	40 "	2	6	8	9	6	8	6		
Milliners, seamstresses.....	4	114 "	28 "		2							
Mechanics.....	3	111 "	37 "			1		2				
Millers.....	1	56 "	56 "						1			
Merchants.....	6	214 "	35 "			2	2	2				
Lumbermen.....	9	309 "	34 "		2		5	2				
Nuns.....	15	494 "	32 "		3	4	5	2	1			
Glass blowers.....	1	54 "	54 "						1			
Plumbers.....	3	66 "	22 "	1	1	1						
Painters.....	3	145 "	48 "					2	1			
Printers.....	14	343 "	24 "	1	7	2	2	1				1
Peddlers.....	1	55 "	55 "						1			
Plasterers.....	1	37 "	37 "				1					
Physicians.....	1	47 "	47 "					1				
Public officials.....	17	666 "	39 "		1	2	7	6			1	
R. R. employees.....	3	73 "	24 "		2	1						
Factory hands (male).....	7	189 "	27 "	1	2	2	2					
Stonecutters.....	3	158 "	52 "				1		1	1		
Shoemakers.....	4	163 "	40 "				3		1			
Sailors.....	1	66 "	66 "						1	1		
Saddlers.....	1	27 "	27 "			1						
Servants.....	20	619 "	31 "	5	4	4	1	3	2		1	
Students.....	4	72 "	18 "	4								
Travellers (commercial).....	2	120 "	60 "						1	1		
Teamsters.....	7	372 "	53 "		1		1	1		3	1	
Tavernkeepers.....	5	209 "	41 "			1	1	2	1			
Teachers (female).....	2	40 "	20 "	1	1							
Telegraph operators.....	1	19 "	19 "	1								
Tailors.....	3	91 "	30 "			2	1					
Watchmakers and jewellers.....	5	165 "	33 "		2	1	1		1			
<b>Totals.....</b>	<b>310</b>	<b>11,147 years</b>	<b>35 years</b>	<b>22</b>	<b>45</b>	<b>60</b>	<b>81</b>	<b>50</b>	<b>32</b>	<b>14</b>	<b>4</b>	<b>2</b>
<b>Occupation not given.....</b>	<b>135</b>	<b>4,238 "</b>	<b>38 "</b>	<b>35</b>	<b>21</b>	<b>13</b>	<b>34</b>	<b>18</b>	<b>9</b>	<b>4</b>	<b>1</b>	<b>...</b>
<b>Totals.....</b>	<b>445</b>	<b>15,385 years</b>	<b>34 years</b>	<b>57</b>	<b>66</b>	<b>73</b>	<b>115</b>	<b>68</b>	<b>41</b>	<b>18</b>	<b>5</b>	<b>2</b>
<b>Children under 14 years..</b>	<b>91</b>			<b>Under 1 year.</b>	<b>1 year.</b>	<b>2 years.</b>	<b>3 years.</b>	<b>4 years.</b>	<b>5-9.</b>	<b>9-14.</b>		
<b>Grand total.....</b>	<b>536</b>			<b>46</b>	<b>8</b>	<b>6</b>	<b>3</b>	<b>1</b>	<b>14</b>	<b>13</b>		

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# APPENDIX.

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# BIRTHS.

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# BIRTHS BY MONTHS, 1897.—COUNTIES.

Counties.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.	No. of twins.	Triplets.	Illegitimate.	Still born.
<b>Algoma :</b>																	
Males .....	39	30	40	43	40	28	33	53	47	40	35	36	464	7	.....	5	2
Females .....	36	34	34	40	48	33	35	37	43	34	38	30	442	11	.....	5	4
Total .....	75	64	74	83	88	61	68	90	90	74	73	66	906	9 pair	.....	10	6
<b>Brant :</b>																	
Males .....	38	31	36	44	31	30	33	18	35	41	28	28	393	1	.....	2	2
Females .....	30	33	38	30	26	38	38	24	30	29	22	40	378	3	.....	.....	2
Total .....	68	64	74	74	57	68	71	42	65	70	50	68	771	2 pair	.....	2	4
<b>Bruce :</b>																	
Males .....	60	63	71	70	54	48	55	65	80	56	52	73	747	20	.....	5	11
Females .....	51	68	49	72	70	44	69	56	65	53	61	62	720	18	.....	5	5
Total .....	111	131	120	142	124	92	124	121	145	109	113	135	1,467	19 pair	.....	10	16
<b>Carleton :</b>																	
Males .....	97	102	97	80	85	93	99	79	92	81	89	82	1,076	30	.....	76	1
Females .....	76	88	110	90	80	87	89	93	86	72	71	70	1,012	16	.....	94	13
Total .....	173	190	207	170	165	180	188	172	178	153	160	152	2,088	23 pair	.....	3	20
<b>Dufferin :</b>																	
Males .....	32	18	20	18	24	21	15	19	17	25	21	7	237	5	.....	5	3
Females .....	25	12	18	21	22	20	12	23	18	12	20	10	213	1	.....	3	4
Total .....	57	30	38	39	46	41	27	42	35	37	41	17	450	3 pair	.....	8	7
<b>Elgin :</b>																	
Males .....	36	31	42	27	38	29	33	43	35	41	23	21	405	1	.....	1	6
Females .....	40	35	38	29	29	38	38	33	40	29	29	18	396	3	.....	.....	1
Total .....	76	66	90	56	67	67	71	76	75	70	58	39	801	2 pair	.....	1	7
<b>Essex :</b>																	
Males .....	59	76	85	58	61	60	73	72	74	32	61	43	784	11	.....	6	6
Females .....	90	76	72	49	73	56	69	69	69	54	62	42	781	17	.....	8	13
Total .....	149	152	157	107	134	116	142	141	143	116	123	85	1,565	14 pair	.....	14	19

Grey:	Males.....	39	33	39	33	43	49	34	44	36	39	34	456	13	3	23	1
	Females.....	41	37	40	35	38	33	51	43	39	30	31	461	11	.....	14	4
	Total .....	80	70	79	68	70	81	85	87	75	69	65	917	12 pair	3	37	5
Grey:	Males.....	69	62	56	67	50	61	46	71	67	60	69	734	16	.....	6	7
	Females.....	74	56	81	68	36	67	58	62	81	63	50	51	747	14	.....	7
	Total .....	143	118	137	135	86	128	104	133	148	119	110	1,481	15 pair	.....	13	13
Haldimand:	Males.....	22	17	15	18	20	15	12	22	17	15	15	203	9	.....	.....	.....
	Females.....	21	24	17	16	15	18	21	22	18	17	10	212	9	.....	.....	.....
	Total .....	43	41	32	34	35	33	33	44	35	32	25	415	9 pair	.....	.....	.....
Halton:	Males.....	14	11	20	18	25	25	15	21	23	15	17	18	222	2	.....	1
	Females.....	16	10	23	18	18	17	23	16	15	18	13	11	198	.....	2	.....
	Total .....	30	21	43	36	43	42	38	37	38	33	30	29	420	1 pair	.....	2
Haliburton:	Males.....	12	7	13	11	9	10	13	9	13	12	10	9	128	.....	.....	1
	Females.....	12	11	10	11	9	6	12	7	6	6	7	6	102	.....	.....	1
	Total .....	24	18	23	22	18	15	25	16	19	18	17	15	230	.....	.....	2
Hastings:	Males.....	46	56	51	56	60	54	52	54	58	56	45	49	637	8	.....	7
	Females.....	52	50	56	48	46	56	49	48	56	38	51	43	589	8	.....	3
	Total .....	98	106	107	104	105	110	101	102	114	91	96	92	1,226	8 pair	.....	10
Huron:	Males.....	55	37	56	56	63	51	52	55	55	54	54	50	638	12	.....	5
	Females.....	40	52	53	49	50	57	50	52	63	55	62	52	637	16	.....	1
	Total .....	95	89	111	105	113	108	102	107	118	109	116	102	1,275	14 pair	.....	6
Kent:	Males.....	49	50	64	57	49	60	43	61	81	66	57	53	690	12	.....	3
	Females.....	72	63	65	47	56	52	59	55	70	60	58	55	712	14	.....	5
	Total .....	121	113	129	104	105	112	102	116	151	126	115	108	1,402	13 pair	.....	8

# BIRTHS BY MONTHS, 1897.—COUNTIES.—Continued.

Counties.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.	No. of pair of twins.	Triplets.	Illegitimate.	Still born.
<b>Lambton:</b>																	
Males.....	58	48	58	50	44	53	44	90	52	55	42	57	651	16	.....	1	4
Females.....	47	53	56	61	54	35	42	52	51	41	45	43	580	20	.....	4	6
Total.....	105	101	114	111	98	88	86	142	103	96	87	100	1,231	18 pair	.....	5	10
<b>Lanark:</b>																	
Males.....	31	28	37	35	37	32	43	36	34	37	28	17	395	8	.....	4	11
Females.....	36	25	33	38	17	35	38	38	23	30	22	22	357	16	.....	3	5
Total.....	67	53	70	73	54	67	81	74	57	67	50	39	752	12 pair	.....	7	16
<b>Leeds and Grenville.</b>																	
Males.....	44	45	62	56	54	45	57	57	52	57	52	43	624	21	.....	3	3
Females.....	40	46	52	52	36	43	28	51	40	40	32	38	498	13	.....	3	2
Total.....	84	91	114	108	90	88	85	108	92	97	84	81	1,122	17 pair	.....	6	5
<b>Lennox and Addington:</b>																	
Males.....	20	14	23	22	21	15	18	15	18	18	19	17	220	7	.....	2	1
Females.....	20	28	20	19	22	12	23	23	18	18	15	20	233	1	.....	.....	2
Total.....	40	37	43	41	43	27	41	38	36	36	34	37	453	4 pair	.....	2	3
<b>Lincoln:</b>																	
Males.....	26	18	29	21	29	23	28	25	23	29	32	18	301	5	.....	8	8
Females.....	31	30	38	26	23	24	12	35	24	29	22	21	315	7	.....	4	5
Total.....	57	48	67	47	52	47	40	60	47	58	54	39	616	6 pair	.....	12	13
<b>Middlesex:</b>																	
Males.....	69	74	78	58	70	66	73	58	72	66	61	60	805	18	.....	7	11
Females.....	54	68	70	70	64	69	69	83	55	63	57	47	760	18	.....	5	8
Total.....	123	142	148	128	134	126	142	141	127	129	118	107	1,565	18 pair	.....	12	19
<b>Muskoka:</b>																	
Males.....	26	28	32	29	28	30	28	20	21	28	11	19	300	2	.....	4	4
Females.....	27	27	33	33	28	31	26	22	16	15	23	19	300	.....	.....	1	3
Total.....	53	55	65	62	56	61	54	42	37	43	34	38	600	1 pair	.....	5	7



Males	72	34	72	48	40	43	41	38	39	31	19	26	503	1	.....	2	3
Females	57	27	38	36	39	29	43	36	43	30	55	50	463	1	.....	1	2
Total	129	61	110	84	79	72	84	74	82	61	54	76	966	1 pair	.....	3	5
Norfolk:																	
Males	28	18	30	23	34	21	34	29	29	30	24	28	328	1	.....	2	.....
Females	29	36	25	27	19	29	23	38	29	29	24	22	330	1	.....	2	.....
Total	57	54	55	50	53	50	57	67	58	59	48	50	658	1 pair	.....	4	.....
Northumberland and Durham:																	
Males	67	38	66	57	59	37	61	44	46	66	51	68	660	11	.....	2	9
Females	45	44	47	64	47	45	46	62	63	50	51	40	604	13	.....	6	10
Total	112	82	113	121	106	82	107	106	109	116	102	108	1,264	12 pair	.....	8	19
Ontario:																	
Males	39	40	53	30	35	26	41	48	48	39	36	39	474	12	.....	5	5
Females	36	35	40	27	46	32	43	44	35	32	30	29	429	10	.....	5	6
Total	75	75	93	57	81	58	84	92	83	71	66	68	903	11 pair	.....	10	11
Oxford:																	
Males	35	38	56	39	49	59	47	50	45	46	33	51	548	8	.....	5	7
Females	39	41	51	33	45	28	43	51	50	43	25	40	489	4	.....	2	11
Total	74	79	107	72	94	87	90	101	95	89	58	91	1,037	6 pair	.....	3	18
Parry Sound:																	
Males	39	30	48	37	34	38	28	29	20	22	21	21	367	5	.....	1	10
Females	28	38	26	32	36	34	30	22	25	40	25	28	364	11	.....	3	2
Total	67	68	74	69	70	72	58	51	45	62	46	49	731	8 pair	.....	4	12
Peel:																	
Males	16	12	23	19	17	17	15	18	18	16	13	15	199	2	.....	.....	1
Females	15	10	20	28	19	16	11	12	18	16	16	14	135	.....	.....	.....	.....
Total	31	22	43	47	36	33	26	30	36	32	29	29	394	1 pair	.....	.....	1
Perth:																	
Males	41	51	48	50	39	42	43	64	33	36	46	45	538	7	.....	6	4
Females	46	48	41	42	40	36	32	40	32	36	42	37	472	3	.....	4	1
Total	87	99	89	92	79	78	75	104	65	72	88	82	1,010	5 pair	.....	9	5

# BIRTHS BY MONTHS, 1897 — COUNTIES. — Concluded.

Counties.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.	No. of pairs.	Triples.	Illegitimate.	Still born.
<b>Peterborough:</b>																	
Males .....	49	35	46	50	24	29	40	54	48	34	38	31	478	7	.....	8	9
Females .....	44	23	40	39	34	32	40	43	30	36	31	20	412	5	.....	5	1
<b>Total</b> .....	93	58	86	89	58	61	80	97	78	70	69	51	890	6 pair	.....	13	13
<b>Prescott and Russell:</b>																	
Males .....	74	79	68	69	65	60	59	73	62	63	50	61	783	11	.....	2	1
Females .....	70	70	87	76	60	56	65	72	66	54	61	51	788	11	.....	1	9
<b>Total</b> .....	144	149	155	145	125	116	124	145	128	117	111	112	1,571	11 pair	.....	3	13
<b>Prince Edward:</b>																	
Males .....	18	16	12	10	19	13	12	20	17	18	15	12	177	6	.....	1	3
Females .....	16	7	11	12	13	12	16	10	12	10	9	13	141	.....	.....	1	3
<b>Total</b> .....	34	23	23	22	32	25	28	30	29	23	24	25	318	3 pair	.....	2	6
<b>Rainy River:</b>																	
Males .....	4	13	6	9	9	7	11	7	11	9	6	12	104	1	.....	1	.....
Females .....	8	10	3	5	6	10	8	12	9	7	10	7	95	1	.....	.....	.....
<b>Total</b> .....	12	23	9	14	15	17	19	19	20	16	16	19	199	1 pair	.....	1	.....
<b>Renfrew:</b>																	
Males .....	85	68	87	67	72	67	91	51	78	58	58	56	838	9	.....	3	2
Females .....	62	62	53	62	63	53	62	48	69	58	46	49	688	13	.....	7	1
<b>Total</b> .....	147	130	140	129	135	126	153	99	147	111	104	105	1,526	11 pair	.....	10	3
<b>Simcoe:</b>																	
Males .....	65	61	78	68	71	69	91	73	90	91	52	59	868	29	.....	7	11
Females .....	67	58	83	68	81	71	66	86	72	73	64	60	819	21	.....	6	5
<b>Total</b> .....	132	119	161	136	152	140	157	159	162	164	116	119	1,717	25 pair	.....	13	16
<b>Stormont, Dundas and Glengarry:</b>																	
Males .....	54	64	72	67	57	44	64	75	60	52	52	49	710	12	.....	3	7
Females .....	37	63	86	68	59	52	56	55	70	57	52	45	700	18	.....	8	5
<b>Total</b> .....	91	127	158	135	116	96	120	130	130	109	104	94	1,410	15 pair	.....	3	12



# BIRTHS BY MONTHS, 1897.—CITIES.

Cities.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.	No. of pair of twins.	Triplets.	Illegit. male.	Still born.
<b>Toronto:</b>																	
Males .....	186	150	198	165	179	170	188	192	165	152	152	169	2,076	29	.....	109	1
Females.....	189	146	157	136	174	156	173	137	159	146	146	164	2,002	23	.....	119	2
Total .....	385	296	355	300	353	326	361	329	324	298	298	333	4,078	52 pair	.....	228	3
<b>Ottawa:</b>																	
Males .....	58	67	53	47	53	65	66	45	57	44	46	37	638	18	.....	68	1
Females.....	57	56	74	54	57	58	51	61	50	48	39	50	635	14	.....	95	12
Total .....	115	123	127	101	110	123	117	106	107	92	85	67	1,273	32 pair	.....	163	13
<b>Hamilton:</b>																	
Males .....	40	35	47	39	38	43	45	60	59	33	28	45	507	8	.....	11	8
Females.....	32	32	38	34	49	43	31	49	37	25	55	37	462	1	.....	8	14
Total .....	72	67	85	73	82	86	76	109	96	58	83	82	969	9 pair	.....	19	22
<b>London:</b>																	
Males .....	26	27	28	21	24	28	17	21	24	23	26	29	294	7	.....	3	3
Females.....	19	24	23	23	16	12	32	30	20	17	27	15	268	9	.....	3	1
Total .....	45	51	51	44	40	40	49	51	44	40	53	44	562	16 pair	.....	6	4
<b>Kingston:</b>																	
Males .....	15	16	20	15	13	11	22	13	17	16	9	6	173	7	.....	17	...
Females.....	12	19	19	15	16	23	13	21	12	12	15	8	183	3	.....	13	...
Total .....	27	35	39	30	29	34	35	34	29	28	22	14	356	10 pair	.....	30	...
<b>Brantford:</b>																	
Males .....	18	17	21	24	16	15	16	8	18	21	13	11	198	...	.....	3	6
Females.....	15	13	22	20	11	21	18	14	19	18	14	25	210	...	.....	5	6
Total .....	33	30	43	44	27	36	34	22	37	39	27	35	408	...	.....	8	12



St. Thomas:	13	7	14	6	8	14	8	13	13	10	3	3	112	.....	1	1
Males .....	10	6	8	7	7	17	13	10	13	5	8	5	109	.....	.....	.....
Females.....	23	13	22	13	15	31	21	23	26	15	11	8	221	.....	1	1
Total .....																
Guelph:	11	13	9	9	14	11	7	10	14	11	13	10	132	4	3	1
Males .....	12	14	11	14	10	15	9	11	7	9	12	3	127	4	3	1
Females.....	23	27	20	23	24	26	16	21	21	20	25	13	259	4 pair	6	2
Total .....																
St. Catharines:	11	4	6	5	14	7	10	14	7	14	9	4	105	3	7	7
Males .....	6	8	15	12	8	2	3	13	11	9	3	5	95	3	3	2
Females.....	17	12	21	17	22	9	13	27	18	23	12	9	200	3 pair	10	9
Total .....																
Belleville:	3	4	3	11	9	9	2	5	7	6	5	4	68	2	1	2
Males .....	8	7	10	6	3	14	2	9	7	3	8	6	83	6	1	3
Females.....	11	11	13	17	12	23	4	14	14	9	13	10	151	4 pair	2	5
Total .....																
Stratford:	9	10	8	11	5	8	2	3	1	4	4	8	73	2	2	1
Males .....	4	10	10	9	6	3	1	2	3	2	6	5	61	.....	3	.....
Females.....	13	20	18	20	11	11	3	5	4	6	10	13	134	1 pair	5	1
Total .....																
Windor:	13	15	13	9	7	9	11	8	13	7	10	4	119	2	2	.....
Males .....	18	9	10	8	8	7	13	11	11	2	12	9	118	.....	2	.....
Females.....	31	24	23	17	15	16	24	19	24	9	22	13	237	1 pair	4	.....
Total .....																
Chatham:	4	2	8	8	3	7	5	8	13	9	10	11	88	1	2	.....
Males .....	13	16	10	4	10	10	8	4	6	8	15	7	111	3	1	.....
Females.....	17	18	18	12	13	17	13	12	19	17	25	18	199	2 pair	3	6
Total .....																
Total Males.....	417	367	428	370	378	397	399	400	408	350	328	341	4,583	78	2	227
Total Females.....	395	360	407	401	375	381	367	432	255	304	358	319	4,454	76	4	255
Grand Total.....	812	727	835	771	753	778	766	832	763	654	686	660	9,037	77 pair	2 cases	482



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# MARRIAGES.

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# MARRIAGES BY MONTHS, 1897.

Counties.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	No date given.	Total number of couples married.
Algoma .....	18	15	16	15	10	13	18	18	28	24	27	23	1	226
Brant .....	12	16	30	17	10	30	13	15	23	19	21	26	.....	232
Bruce .....	22	33	44	34	16	30	15	22	34	29	33	67	.....	379
Carleton .....	34	37	51	52	44	82	63	60	80	61	65	28	3	660
Dufferin .....	6	13	17	6	2	23	5	3	10	10	7	26	.....	118
Elgin .....	29	28	17	16	19	28	19	20	34	21	17	56	.....	304
Essex .....	69	65	59	56	93	93	73	79	114	86	105	76	1	970
Frontenac .....	22	19	20	28	23	45	24	20	28	24	38	52	.....	343
Grey .....	32	32	53	24	22	45	37	19	29	24	29	59	.....	405
Haldimand .....	11	15	16	14	7	22	2	1	19	18	15	19	4	163
Halton .....	7	8	13	7	6	13	1	5	13	9	6	17	.....	105
Haliburton .....	1	1	3	1	2	7	4	.....	2	2	3	6	.....	32
Hastings .....	27	26	35	13	30	33	30	23	60	36	44	68	2	427
Huron .....	36	33	49	19	34	60	18	18	38	31	31	76	.....	443
Kent .....	21	28	32	32	34	37	27	21	37	47	60	58	.....	434
Lambton .....	41	23	33	31	25	42	7	28	57	30	37	67	.....	421
Lanark .....	24	14	13	22	11	31	12	16	15	23	19	21	.....	221
Leeds and Grenville .....	31	41	27	27	21	53	22	27	74	44	41	53	.....	461
Lennox and Addington .....	15	11	11	6	10	19	9	5	15	15	18	32	.....	166
Lincoln .....	16	11	12	11	16	25	12	13	23	24	18	21	.....	202



Muskoka .....	5	7	14	6	7	13	14	9	17	13	14	18	.....	137
Nipissing .....	23	16	10	16	9	14	16	13	10	18	14	14	.....	173
Norfolk .....	15	10	22	19	14	22	10	12	22	20	24	47	.....	237
Northumberland and Durham .....	40	33	46	32	21	38	24	16	51	26	35	76	2	440
Ontario .....	21	17	28	13	12	24	12	7	19	24	19	39	.....	235
Oxford .....	15	17	30	26	15	61	16	13	30	25	33	61	.....	342
Parry Sound .....	12	7	9	9	13	14	11	14	15	10	22	19	1	156
Peel .....	15	18	19	6	5	12	3	3	12	12	18	20	.....	143
Perth .....	25	25	31	20	20	29	8	9	27	29	35	49	.....	307
Peterboro' .....	24	17	25	24	6	24	7	15	17	27	23	21	.....	230
Prince Edward .....	24	17	11	19	22	34	31	33	31	31	31	9	.....	293
Rainy River .....	13	12	4	7	5	8	6	8	24	9	6	25	1	128
Renfrew .....	6	2	2	3	1	4	4	11	1	8	11	9	.....	62
Simcoe .....	28	32	27	24	18	42	31	19	28	31	38	36	1	355
Stormont, Dundas and Glengarry .....	48	24	43	37	33	55	36	31	55	68	54	69	2	555
Thunder Bay .....	35	34	30	12	25	43	21	22	56	42	44	51	.....	415
Victoria .....	7	1	3	2	3	5	8	1	13	8	11	6	.....	68
Waterloo .....	19	19	26	8	8	17	12	9	37	23	14	33	.....	225
Welland .....	27	32	26	24	18	37	22	16	28	48	32	34	.....	344
Wellington .....	26	14	11	14	20	32	21	24	34	29	28	25	.....	278
Wentworth .....	28	38	45	24	22	44	25	18	32	25	18	56	2	377
York .....	33	35	37	33	30	70	40	44	62	45	49	70	1	549
.....	137	131	113	141	113	225	141	116	193	166	168	171	3	1,818
Totals .....	1,147	1,063	1,227	989	906	1,682	968	921	1,633	1,384	1,453	1,896	24	15,293

## MARRIAGES BY DENOMINATIONS AND AGES, 1897.

Sex.	Religious denomination of bride and bridegroom.												How married.		Totals.	Counties.	Age.														
	Episcopalian.	Presbyterians.	Methodists.	Roman Catholics.	Baptists.	Congregationalists.	Lutherans.	Evangelical Association.	Quakers.	Mennonites.	Other denominations.	No denomination given.	License.	Banns.			Under 20 years.	20 to 24 years.	25 to 29 years.	30 to 34 years.	35 to 39 years.	40 to 44 years.	45 to 49 years.	50 to 54 years.	55 to 59 years.	60 to 64 years.	65 to 69 years.	70 years and over.	Ages not given.		
Males...	39	57	56	48	9	1	7				5	4			226	{	Algoma.....	5	70	79	40	17	3	2	1	1	4		3		
Females	38	55	62	50	9	1	4				5	5			226					83	86	34	10	4	1	1	1	2		4	
Total.	77	112	118	98	18	2	11				7	9		31	452			88	156	113	50	21	4	3	2	6		9			
Males...	39	54	76	9	39	7					4	3			232	{	Brant.....	4	68	75	41	16	17	4	3	1	1	2			
Females	38	51	75	15	40	9			1		3	1		232					30	101	63	19	12	5		2					
Total.	77	105	151	24	79	16			1		7	4		2	464			34	169	138	60	28	22	4	3	3	1	2			
Males...	43	139	117	31	16	1	15				2	1			379	{	Bruce.....	2	100	149	73	29	7	12	2	2		1		2	
Females	42	145	116	29	17		10		6	1	9	4		379					52	179	91	35	14	2	6						
Total.	85	284	233	60	33	1	25		13	3	16	5		34	758			54	279	240	108	43	9	18	2	2		1			
Males...	130	115	79	278	18	5	14				12	9			600	{	Carleton.....	15	223	215	101	48	19	17	9	3		2		5	
Females	122	108	90	240	16	7	11				9	7			660					108	291	156	53	18	7	10		2	1	1	13
Total.	252	223	169	568	34	12	25				21	16		153	1320			123	514	371	154	66	26	27	9	5		4	3	18	
Males...	19	49	45	1	4	1					8	1			128	{	Dufferin.....	...	33	50	23	8	5	2	2	2		2	1		2
Females	27	43	42		6	1	1				8				128					9	56	45	10	2	1	1				3	2
Total.	46	92	87	1	10	2	1				16	1		128	256			9	89	95	33	10	6	3	2	2		4	1	2	
Males...	26	66	121	4	48	2	1				17	12			304	{	Elgin.....	9	92	99	54	21	12	8	1	1		5	1		1
Females	29	58	119	4	61	2	1		4		17	9			304					56	114	81	33	7	3	3	7				
Total.	55	124	240	8	109	4	2		11		34	21		301	608			65	206	180	87	28	15	11	8	1		5	1	1	

Males..	150	139	250	230	74	21	69	1	2	...	30	4	...	970	{	Essex	.....	{	31	404	295	112	54	27	20	11	4	5	3	2	2	
Females	147	117	247	238	79	10	74	...	...	...	29	9	...	970	}			}	198	429	186	73	33	15	11	6	2	2	3	12	12	
Total.	297	256	497	468	153	31	143	1	2	...	59	13	872	98	1940			229	833	481	185	87	42	31	17	6	7	6	2	14	14	
Males..	67	56	146	47	10	7	...	1	...	...	7	2	...	343	{	Frontenac	.....	{	14	100	120	38	32	15	14	6	1	2	1	...	...	
Females	69	53	156	43	8	5	...	2	...	...	6	1	...	343	}			}	68	128	78	33	18	9	2	4	2	1	...	...	...	
Total.	136	109	302	90	18	12	...	3	...	...	13	3	324	19	686			82	228	198	71	50	24	16	10	3	3	1	...	...	...	
Males..	40	135	142	16	13	1	27	11	1	1	14	4	...	405	{	Grey	.....	{	1	91	155	81	38	11	8	4	4	5	5	1	1	1
Females	49	136	130	18	14	3	28	11	1	1	12	2	...	405	}			41	158	110	50	15	17	3	4	2	4	1	...	...	...	
Total.	89	271	272	34	27	4	55	22	2	2	26	6	374	31	810			42	249	265	131	53	28	11	8	6	9	6	1	1	1	1
Males..	20	22	61	8	16	...	4	4	...	2	12	14	...	163	{	Haldimand	...	{	1	39	63	32	16	4	4	...	2	1	...	...	...	...
Females	21	21	62	8	16	...	4	4	...	2	14	11	...	163	}			28	65	40	14	10	4	2	...	...	...	...	...	...	...	...
Total.	41	43	123	16	32	...	8	8	...	4	26	25	157	6	326			29	104	103	46	26	8	6	...	2	1	1	...	...	...	...
Males..	16	35	45	2	3	1	...	...	...	...	3	...	...	105	{	Halton	.....	{	...	24	38	21	10	4	3	2	3	...	...	...	...	...
Females	14	35	45	3	6	1	...	...	...	...	1	...	...	105	}			16	44	26	10	6	2	...	1	1	...	...	...	...	...	...
Total.	30	70	90	5	9	2	...	...	...	...	4	...	104	1	210			16	68	63	31	16	6	3	3	4	...	...	...	...	...	...
Males..	13	2	13	...	2	...	1	...	...	...	...	...	...	32	{	Haliburton	...	{	...	10	12	6	3	...	...	...	1	...	...	...	...	...
Females	13	2	14	2	...	...	1	...	...	...	...	...	...	32	}			14	11	5	1	...	...	...	...	1	...	...	...	...	...	...
Total.	26	4	27	2	2	...	1	2	...	...	...	...	32	...	64			14	21	17	7	3	...	...	2	...	...	...	...	...	...	...
Males..	64	51	244	46	7	1	...	1	...	...	4	9	...	427	{	Hastings	.....	{	11	152	135	48	36	16	10	3	6	5	4	1	...	...
Females	73	53	235	49	8	1	...	1	...	...	7	...	...	427	}			83	194	85	28	13	12	3	3	3	3	...	...	...	...	...
Total.	137	104	479	95	15	2	...	2	...	...	11	9	394	33	854			94	346	220	76	49	28	13	6	9	8	4	1	...	...	...
Males..	45	158	183	12	8	4	11	...	1	14	...	1	...	443	{	Huron	.....	{	...	105	176	95	33	11	7	6	3	5	1	...	1	...
Females	47	151	177	14	7	5	13	16	...	1	6	6	...	443	}			34	159	136	69	17	13	9	2	2	...	...	...	...	...	...
Total.	92	309	360	26	15	9	24	30	...	2	12	7	428	15	886			34	264	312	164	50	24	16	8	5	5	2	1	1	1	1
Males..	64	74	175	58	36	3	1	...	1	...	13	9	...	434	{	Kent	.....	{	16	163	134	65	27	12	4	3	4	2	1	1	2	2
Females	49	79	173	60	44	2	...	2	...	...	12	13	...	434	}			97	186	82	34	16	5	5	5	1	1	...	...	...	...	...
Total.	113	153	348	118	80	5	1	3	...	...	25	22	387	47	868			113	349	216	99	43	17	9	8	5	3	1	1	4	4	4

# MARRIAGES BY DENOMINATIONS AND AGES, 1897.—Continued.

Religious denomination of bride and bridegroom.														How married.		Totals.	Counties.	Ages.											
Sex.	Episcopalians.	Presbyterians.	Methodists.	Roman Catholics.	Baptists.	(Congregationalists.	Lutherans.	Evangelical Association.	Quakers.	Mennonites.	Other denominations.	No denomination given.	License.	Banns.	Under 20 years.			20 to 24 years.	25 to 29 years.	30 to 34 years.	35 to 39 years.	40 to 44 years.	45 to 49 years.	50 to 54 years.	55 to 59 years.	60 to 64 years.	65 to 69 years.	70 years and over.	Ages not given.
Males ..	60	106	167	25	25	14	1	1	1	8	5	421	{ Lanark .....	1	120	145	89	35	13	6	2	4	4	2	...	...	...	...	
Females ..	57	95	170	28	37	13	3	1	1	10	7	421		81	181	96	36	10	10	3	1	2	1	...	...	...	...	...	
Total.	117	201	337	53	62	27	4	1	1	18	12	842		82	301	241	125	45	23	9	3	6	5	2	...	...	...	...	
Males ..	51	78	60	20	6	1	1	1	1	...	3	221	{ Lanark .....	...	81	71	28	18	11	4	5	2	1	...	...	...	...		
Females ..	49	78	63	17	7	3	2	1	1	2	3	221		43	94	50	15	12	2	2	3	...	...	...	...	...	...	...	
Total.	100	156	123	37	13	4	3	1	1	2	3	442		43	175	121	43	30	13	6	8	2	1	...	...	...	...	...	
Males ..	126	76	183	39	24	...	2	...	...	5	6	461	{ Leeds and Grenville {	11	164	132	65	28	15	9	14	4	1	1	2	5			
Females ..	112	70	204	40	24	...	...	...	...	6	5	461		60	190	116	44	17	9	8	10	1	1	...	...	...	...	...	
Total.	238	146	387	79	48	...	2	...	...	11	11	922		71	354	248	109	55	24	17	24	5	2	1	2	10	...	...	
Males ..	42	17	90	13	1	1	1	1	1	...	...	166	{ Lennox and Addington {	15	65	45	22	7	4	3	3	...	...	1	1	...			
Females ..	42	14	94	14	...	...	1	1	1	...	...	166		37	80	28	9	6	4	...	1	...	1	...	...	...	...		
Total.	84	31	184	27	1	1	2	2	2	...	...	332		52	145	73	31	13	8	3	4	...	1	1	1	...	...		
Males ..	43	31	78	14	12	1	2	7	...	9	5	202	{ Lincoln .....	13	76	56	30	8	6	7	2	1	2	1	...	...	...		
Females ..	41	29	79	12	13	...	3	11	...	10	4	202		37	87	43	16	9	5	3	2	...	...	...	...	...	...		
Total.	84	60	157	26	25	1	5	18	...	19	9	404		50	163	99	46	17	11	10	4	1	2	1	...	...	...		
Males ..	146	145	277	56	53	7	1	...	1	14	4	704	{ Middlesex .....	16	209	237	109	59	29	14	13	6	2	3	6	1			
Females ..	125	154	285	54	56	2	...	1	...	21	6	704		86	323	172	61	27	17	3	7	2	1	2	...	...	...		
Total.	271	299	562	110	109	9	1	1	1	35	10	1408		102	532	409	170	86	46	17	20	8	3	5	6	4	...	...	



Males..	39	30	49	8	4	3	1	7	137	Muskoka .....	3	48	44	22	9	5	2	1	2	1
Females	42	26	41	8	7	1	2	7	137		41	54	22	7	8	2	1	1	1	1
Total.	77	56	93	16	11	4	3	14	274		44	102	66	29	17	7	3	1	2	2
Males..	18	26	14	102	2	8	1	2	173	Nipissing .....	73	80	62	16	9	3	2	1		
Females	14	15	24	110	1	9	1	1	173		73	66	23	8	2	1	1			
Total.	32	41	38	212	3	17	1	2	346		73	146	85	24	11	3	3	1		
Males..	22	25	106	...	69	4	...	5	237	Norfolk .....	5	104	66	26	14	5	2	1	4	2
Females	23	23	101	1	76	3	...	9	237		66	101	37	13	7	3	...	3	1	5
Total.	45	48	207	1	145	7	...	15	474		71	205	103	39	21	8	2	4	5	7
Males..	58	83	247	19	16	3	...	9	440	Northumberland and Durham	10	125	154	77	33	16	11	9	2	1
Females	60	81	248	18	14	3	...	11	440		57	190	117	39	16	14	3	...	2	1
Total.	118	164	495	37	30	6	...	20	880		67	315	271	116	49	30	14	9	4	2
Males..	21	60	120	16	7	...	...	1	235	Ontario .....	3	61	51	44	22	9	7	4	1	...
Females	22	53	117	18	12	...	...	6	235		34	98	64	20	8	6	2	1	1	1
Total.	43	113	237	34	19	...	...	7	470		37	159	145	64	30	15	9	5	2	1
Males..	40	57	172	9	42	3	6	1	342	Oxford .....	12	133	89	49	27	7	10	5	3	4
Females	38	55	177	8	41	6	5	...	342		43	168	61	28	18	7	6	5	2	1
Total.	78	112	349	17	83	9	11	...	684		55	301	150	77	45	14	16	10	5	5
Males..	35	39	54	9	4	1	2	5	156	Parry Sound .....	17	60	45	22	2	3	5	...	1	1
Females	30	33	59	11	5	1	3	...	156		45	79	19	6	2	...	1	3	...	1
Total.	65	77	113	20	9	2	5	9	312		62	139	64	28	4	3	6	3	...	2
Males..	20	51	55	10	5	2	...	...	143	Peel .....	7	33	42	35	23	5	2	2	...	1
Females	16	44	62	11	10	...	...	...	143		...	63	37	22	10	4	...	...	...	...
Total.	36	95	117	21	15	2	...	...	286		7	96	79	57	33	9	2	2	...	1
Males..	27	101	87	16	11	...	39	15	307	Perth .....	1	70	127	63	18	11	6	3	4	2
Females	25	102	86	16	12	...	37	16	307		33	140	82	26	11	2	5	2	...	1
Total.	52	203	173	32	23	...	76	31	614		34	210	209	89	29	13	11	5	6	2

# MARRIAGES BY DENOMINATIONS AND AGES, 1897.—Concluded.

Sex.	Religious denomination of bride and bridegroom.											How married.		Totals.	Counties.	Ages.															
	Episcopalian.	Presbyterian.	Methodist.	Roman Catholics.	Baptist.	Congregational-ists.	Lutherans.	Evangelical Asso-ciation.	Quakers.	Mennonites.	Other denomina-tions.	No denomination given.	License.			Banns.															
Males ..	43	41	86	45	12	1	...	...	...	...	2	...	...	...	230	{ Peterboro ....	Under 20 years.	20 to 24 years.	25 to 29 years.	30 to 34 years.	35 to 39 years.	40 to 44 years.	45 to 49 years.	50 to 54 years.	55 to 59 years.	60 to 64 years.	65 to 69 years.	70 years and over.	Ages not given.		
Females	38	40	80	58	13	...	...	...	...	...	1	...	...	...	230		1	69	80	37	27	5	4	5	2	...	...	...	...	...	
Total.	81	81	166	103	25	1	...	...	...	...	2	1	190	40	460		26	167	154	53	37	8	4	7	3	...	...	...	...	...	1
Males ..	12	24	14	236	4	1	...	...	...	...	...	2	...	...	293	{ Prescott and Russell	Under 20 years.	20 to 24 years.	25 to 29 years.	30 to 34 years.	35 to 39 years.	40 to 44 years.	45 to 49 years.	50 to 54 years.	55 to 59 years.	60 to 64 years.	65 to 69 years.	70 years and over.	Ages not given.		
Females	8	26	12	236	8	...	1	...	...	...	2	...	...	...	293		18	142	70	26	13	5	7	3	2	...	...	...	...	...	3
Total.	20	50	26	472	12	1	1	...	...	...	4	...	82	211	586		91	280	108	43	21	7	13	5	2	...	...	...	...	...	6
Males ..	11	6	104	2	1	...	...	...	...	...	2	...	...	...	128	{ Prince Edward	Under 20 years.	20 to 24 years.	25 to 29 years.	30 to 34 years.	35 to 39 years.	40 to 44 years.	45 to 49 years.	50 to 54 years.	55 to 59 years.	60 to 64 years.	65 to 69 years.	70 years and over.	Ages not given.		
Females	12	6	103	1	...	...	...	...	...	...	2	...	...	...	128		7	52	35	18	5	4	2	2	...	...	...	...	...	...	1
Total.	23	12	207	3	1	...	...	...	...	...	4	...	128	...	256		43	96	57	34	9	5	4	3	...	...	...	...	...	...	...
Males ..	21	10	8	10	4	1	2	...	...	...	6	...	...	...	62	{ Rainy River..	Under 20 years.	20 to 24 years.	25 to 29 years.	30 to 34 years.	35 to 39 years.	40 to 44 years.	45 to 49 years.	50 to 54 years.	55 to 59 years.	60 to 64 years.	65 to 69 years.	70 years and over.	Ages not given.		
Females	21	12	10	9	3	...	5	...	...	...	2	...	...	...	62		10	25	17	8	2	...	...	...	...	...	...	...	...	...	...
Total.	42	22	18	19	7	1	7	...	...	...	8	...	52	10	124		10	42	39	21	9	1	...	...	...	...	...	...	...	...	...
Males ..	39	76	62	114	18	...	32	10	...	...	2	...	...	...	355	{ Renfrew .....	Under 20 years.	20 to 24 years.	25 to 29 years.	30 to 34 years.	35 to 39 years.	40 to 44 years.	45 to 49 years.	50 to 54 years.	55 to 59 years.	60 to 64 years.	65 to 69 years.	70 years and over.	Ages not given.		
Females	42	80	55	111	20	...	33	10	...	...	2	...	...	...	355		10	109	130	56	19	14	5	2	...	...	...	...	...	...	...
Total.	81	156	117	225	38	...	65	20	...	...	4	4	255	100	710		74	232	207	78	25	16	8	2	...	...	...	...	...	...	...
Males ..	114	128	195	72	21	5	1	1	1	2	11	4	...	...	555	{ Simcoe .....	Under 20 years.	20 to 24 years.	25 to 29 years.	30 to 34 years.	35 to 39 years.	40 to 44 years.	45 to 49 years.	50 to 54 years.	55 to 59 years.	60 to 64 years.	65 to 69 years.	70 years and over.	Ages not given.		
Females	123	136	181	69	17	6	1	2	...	4	11	5	...	...	555		35	173	193	72	33	19	11	8	2	...	...	...	...	...	...
Total.	237	264	376	141	38	11	2	3	1	6	22	9	496	59	1110		138	419	322	104	49	26	18	13	3	...	...	...	...	...	...

Males..	28	109	100	142	12	15	.....	11	.....	.....	416	St'mont, Dun-	4	140	136	59	46	19	15	3	3	4	1	5
Females	27	109	97	145	10	2	15	.....	9	1	415	das & Gleng'y	75	177	86	36	20	8	4	2	2	.....	5	
Total.	55	218	197	287	22	2	28	.....	20	1	830		79	317	222	95	46	27	19	5	5	4	10	
Males..	9	17	13	19	3	.....	4	.....	3	.....	68	Thunder Bay	3	28	13	15	3	3	2	.....	1	.....	.....	
Females	14	10	14	23	2	1	2	.....	2	.....	68		15	26	14	6	1	4	1	.....	1	.....	.....	
Total.	23	27	27	42	5	1	6	.....	5	.....	136		18	54	27	21	4	7	3	.....	2	.....	.....	
Males..	33	34	130	18	5	1	.....	.....	3	1	225	Victoria...	7	76	72	34	17	8	4	2	3	1	1	
Females	27	39	124	19	7	.....	1	.....	6	2	225		36	99	56	23	4	2	2	.....	.....	.....	.....	
Total.	60	73	254	37	12	1	.....	.....	9	3	450		43	175	128	57	21	10	6	4	3	1	2	
Males..	15	40	40	54	16	.....	89	23	41	14	344	Waterloo...	2	124	131	41	17	5	5	5	6	2	2	
Females	14	44	38	60	12	.....	89	21	42	14	344		43	160	85	30	8	4	4	2	3	.....	2	
Total.	29	84	78	114	28	.....	178	44	83	28	688		45	284	216	71	25	9	9	7	9	5	2	
Males..	37	38	95	18	19	1	18	.....	5	2	278	Welland...	3	90	77	45	21	15	11	6	5	3	2	
Females	44	44	81	29	20	1	19	1	2	3	278		46	106	70	23	13	10	6	2	1	1	.....	
Total.	81	82	176	47	39	2	37	1	7	5	566		49	196	147	68	34	25	17	8	6	4	2	
Males..	62	109	128	31	13	5	2	1	.....	2	377	Wellington...	2	85	146	71	28	14	12	5	7	3	4	
Females	55	128	107	31	13	6	4	1	.....	1	377		36	144	119	39	18	10	4	3	2	2	.....	
Total.	117	237	235	62	26	11	6	2	.....	3	754		38	229	265	110	46	24	16	8	9	5	4	
Males..	115	111	263	56	35	3	5	2	1	.....	549	Wentworth...	3	174	188	90	36	16	11	12	5	5	6	
Females	114	114	203	57	35	3	4	2	1	.....	549		62	227	151	46	29	9	10	5	3	3	2	
Total.	229	225	466	113	70	6	9	4	2	.....	1098		65	401	339	136	65	25	21	17	8	8	2	
Males..	484	384	546	161	102	19	14	1	5	85	1818	York.....	24	596	610	289	138	64	36	17	15	12	7	
Females	449	342	588	189	122	21	17	.....	3	6	1818		232	839	444	163	72	34	10	7	6	3	1	
Total.	933	726	1129	350	224	40	31	1	8	11	3636		256	1435	1054	452	210	98	46	24	21	15	11	
Males..	2542	3204	5236	2124	859	125	400	114	28	71	15293	Grand Totals	335	4978	5094	2393	1100	497	331	188	120	96	68	
Females	2462	3114	5244	2246	928	115	403	117	20	79	15293		22516	6617	3566	1239	559	277	153	105	52	43	22	
Total.	5004	6318	10480	4370	1787	240	803	231	48	150	30586		2851	11595	8660	3692	1659	774	454	293	172	139	90	





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# DEATHS.

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3.	Organic Heart Diseases.....	5	3	4	3	1	1	1	6	1	4	1	2	1	1	2	1	1	2	8
4.	Angina Pectoris.....	2	1	1	2	1	2	1	2	1	2	1	1	1	1	1	1	1	1	3
5.	Arteries, Atheroma, Aneurism, etc	4	4	2	6	1	4	3	1	1	1	3	2	1	1	1	1	1	8	
6.	Other Dis. of Circulatory System.	11	9	8	9	3	2	6	12	1	2	1	4	3	4	1	3	2	20	
V. RESPIRATION.																				
1.	Acute Bronchitis.....	4	5	8	1	9	5	4	1	2	1	1	1	1	1	1	1	1	9	
2.	Chronic Bronchitis.....	2	3	2	3	5	5	5	1	1	1	1	1	1	1	1	1	1	5	
3.	Broncho-pneumonia.....	13	5	11	5	2	5	13	2	1	1	1	1	1	1	1	1	1	18	
4.	Pleurisy.....	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
5.	Congestion of the Lungs.....	5	1	6	3	3	2	4	1	1	1	1	1	1	1	1	1	1	9	
7.	Asthma and Emphysema.....	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	1	1	2	
8.	Other Dis. of the R <sup>sp</sup> System.	26	18	28	13	3	17	2	25	2	1	1	3	1	2	4	11	10	44	
VI. DIGESTIVE SYSTEM.																				
1.	Ulcer of the Stomach.....	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	
2.	Other Dis. of Stom (cancer excp'd)	3	1	4	8	1	8	1	6	1	1	1	1	1	1	1	1	1	8	
3.	Infan. Diarr. and Cholera Infant'm	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	
4.	Diarr. and Enteritis (not infant e)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
5.	Dysentery.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6.	Hernia and Intestinal obstructions	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
7.	Other Diseases of the Intestines..	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	
8.	Diseases of the Liver.....	1	2	2	1	2	1	2	1	2	1	1	1	1	1	1	1	1	8	
9.	Peritonitis (not puerperal).....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
10.	Iliac abscess and appendicitis....	8	9	13	2	2	11	2	4	6	1	1	3	1	1	1	2	1	17	
Total.....																				
VII. GENITO-URINARY SYSTM																				
1.	Acute Nephritis.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
2.	Bright's Disease.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
3.	Other Dis. of Kidneys & Adn <sup>x</sup> a.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
4.	Vesical Calculi.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
5.	Diseases of the Bladder.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6.	Dis. of the male Genital Organs..	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
7.	Metritis.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
8.	Other Diseases of the Uterus....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
9.	Ovarian Cysts & Ovarian Tumors	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
10.	Other Dis. of fem. Genital Organs	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Total.....																				
VIII. PUERPERAL DISEASES.																				
1.	Puerperal Septicemia.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
2.	Puer'l Albuminuria and Convul.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
3.	Other acc. of Preg., sudden death	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
4.	Puerperal Disease of the Breast..	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Total.....																				









2. Puer'l Albuminuria and Convul.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	</
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[illegible]



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3. Cancer, acc. or irreg., sudden death.  
4. Puerperal Disease of the Breast.

### IX. THE SKIN. Total.....

1. Erysipelas.....
2. Skin and Adnexa (Cancer except'd).....

### X. LOCOMOTOR SYSTEM. Total.....

1. Pott's Disease.....
2. Diseases of Bones and Joints.....
3. Amputation (for unspecified Dis.).....

### XI. MALFORMATIONS, ETC. Total.....

1. Still-Births.....
2. Congen. Debil. and Malformations.....
3. Other Diseases of Infancy.....
4. Senile Decay.....

### XII. SUICIDE Total.....

1. Poison.....
2. Strangulation.....
3. Gas Poisoning.....
4. Drowning.....
5. Firearms.....

### XIII. ACCIDENT. Total.....

1. Fractures and Dislocations.....
2. Gunshot.....
3. Lightning.....
4. Drowning.....
5. Electric Cars.....
6. Bicycles.....
7. Railways.....
8. Burns and Scalds.....
9. Homicide.....
10. Accidental Poisoning.....

### XIV. ILL-DEFINED CAUSES. Total.....

1. Dropsy.....
2. Tumors.....
3. Other Ill-Defined Causes.....

### Total.....

### Total from all causes.....

889	787	1376	268	32	997	173	506	641	68	31	29	17	44	33	59	65	71	46	48	30	46	92	123	135	93	5	135	107		
10	10	17	2	1	7	1	12	2	3	1	4	2	1	1	4	3	2	3	8	1	7	3	5	6	4	8	53	8	6	6
4	2	6	5	1	4	4	2	4	2	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
3	3	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
8	5	11	2	12	13	7	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	6	5	11	7	1	3	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	5	11	2	12	13	7	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	6	5	11	7	1	3	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	5	11	2	12	13	7	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	6	5	11	7	1	3	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	5	11	2	12	13	7	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	6	5	11	7	1	3	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	5	11	2	12	13	7	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	6	5	11	7	1	3	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	5	11	2	12	13	7	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	6	5	11	7	1	3	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	5	11	2	12	13	7	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	6	5	11	7	1	3	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	5	11	2	12	13	7	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	6	5	11	7	1	3	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	5	11	2	12	13	7	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	6	5	11	7	1	3	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	5	11	2	12	13	7	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	6	5	11	7	1	3	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	5	11	2	12	13	7	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	6	5	11	7	1	3	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	5	11	2	12	13	7	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	6	5	11	7	1	3	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	5	11	2	12	13	7	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	6	5	11	7	1	3	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	5	11	2	12	13	7	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	6	5	11	7	1	3	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	5	11	2	12	13	7	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	6	5	11	7	1	3	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	5	11	2	12	13	7	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	6	5	11	7	1	3	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	5	11	2	12	13	7	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	6	5	11	7	1	3	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	5	11	2	12	13	7	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	6	5	11	7	1	3	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	5	11	2	12	13	7	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	6	5	11	7	1	3	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	5	11	2	12	13	7	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	6	5	11	7	1	3	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	5	11	2	12	13	7	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	6	5	11	7	1	3	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	5	11	2	12	13	7	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	6	5	11	7	1	3	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	5	11	2	12	13	7	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	6	5	11	7	1	3	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	5	11	2	12	13	7	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	6	5	11	7	1	3	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	5	11	2	12	13	7	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	6	5	11	7	1	3	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	5	11	2	12	13	7	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	6	5	11	7	1	3	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	5	11	2	12	13	7	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	6	5	11	7	1	3	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	5	11	2	12	13	7	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	6	5	11	7	1	3	1	3	1	3	1	2	1																	

CAUSES OF DEATHS BY COUNTIES IN 1897.—DUFFERIN.—POPULATION, 23,632. (Including Municipalities of all classes.)

CAUSES OF DEATHS BY COUNTRIES AND AGES.

General Diseases.	Number of Column.	Sex.		Natvty.		Soc'l con.		Age.												Months.												Totals.																			
		Male.	Female.	Canada.	Foreign.	Not sta.	Single.	Married.	Not sta.	Under 5.					80 & ov.							Months.																													
										0.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 & ov.	Not ev.	Jan.	Feb.	March.		April.	May.	June.	July.	Aug.	Sep.	Oct.	Nov.	Dec.										
I. COMMUNICABLE DISEASES																																																			
1.	Typhoid Fever.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40										
2.	Smallpox.....	2	1	1	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
3.	Measles.....																																																		
4.	Scarlet Fever.....																																																		
5.	Whooping Cough.....	2	1	2	3	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
6.	Diphtheria and Croup.....	2	1	1	3	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
7.	Influenza.....																																																		
8.	Other Epidemic Diseases.....	6	2	4	4	2	2	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Total.....																																																			
II. OTHER GENERAL DISES.																																																			
1.	Pyemia and Septicemia.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
2.	Malarial Fever.....	12	16	25	2	1	12	7	9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
3.	Tuberculosis and Scrofula.....	6	4	2	8	1	4	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
4.	Syphilis.....																																																		
5.	Cancer.....	2	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
6.	Rheumatism and Gout.....	1	2	3	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
7.	Diabetes.....																																																		
8.	Other General Diseases.....	1	2	3	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
9.	Alcoholism, Acute and Chronic.....	22	23	34	10	1	14	13	18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Total.....																																																			
Local Diseases.																																																			
III. NERVOUS SYSTEM.																																																			
1.	Encephalitis.....	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
2.	Simple Meningitis.....																																																		
3.	Epid c. Cerebro-spinal Meningitis.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
4.	Congestion & Hemor'ge of Brain.....																																																		
5.	Softening of the Brain.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6.	Paralysis without specified cause.....	3	6	3	6	1	5	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
7.	Insanity.....																																																		
8.	Epilepsy.....																																																		
9.	Convulsions (not puerperal).....																								</																										

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IV.—Continued "																																									
3. Organic Heart Diseases	16	6		15	6	1	2	3	17				1			1	1	2	1	1	2		4	5	3	1				1	3	4	2	1							22
4. Angina Pectoris	3	2		3	1	1		2	3															1	2	2						1	1							5	
5. Arteries, Atheroma, Aneurism, etc	8	5		9	4			5	8										1		1	1	3	1	6						4	1	1	1					13		
6. Other Dis. of Circulatory System.																																									
Total	28	13		27	12	2	2	10	29				1			1	1	3	1	2	3		8	8	12	1					6	5	3	3		1	4	3	1	3	5
V. RESPIRATION.																																									
1. Acute Bronchitis	3	1		2	2		3	1		3																					1	1								1	
2. Chronic Bronchitis																																									
3. Broncho-pneumonia	14	19		21	12		10	9	14	3	2	2			2		2	1	3	1	3	5	4	4	1						9	6	4	5	4	1				33	
4. Pneumonia				2	1		1	2																																11	
5. Pleurisy	5	6		6	5		4	2	5	3					1	1	1	1													2	2								11	
6. Congestion of the Lungs	1			1					1																						1	1								1	
7. Asthma and Emphysema																																									
8. Other Dis. of Respiratory System																																									
Total	26	30		32	23	1	18	14	24	9	2	2			2	1	1	3	1	1		3	1	3	10	9	6	2			12	8	6	9	4	2	2	1	4	5	2
VI. DIGESTIVE SYSTEM.																																									
1. Ulcer of the Stomach	1	1		2					2									2																							3
2. Other Dis. of Stom. (carcer excl'd)	14	5		19		1	1		1																																19
3. Infant. Diar. & Cholera Infantum.	3	7		8	2		6	3	1	18	1				1																										10
4. Diarr. & Enteritis (not infantile)	1	4		1			1	2	1																															5	
5. Dysentery	2	2		1	3		1	2	1	1					1																									4	
6. Hernia and Intestinal obstructions																																									
7. Other Diseases of the Intestines.	3	5		6	2			5	3						1																									8	
8. Diseases of the Liver	2	4		4	2		2	3	1						1																									6	
9. Peritonitis (not puerperal)	1	1					2								2																									2	
10. Iliac abscess and appendicitis																																									
Total	28	31		44	14	1	30	18	11	18	2	3	1		1	1	3	3	3	1		4	2	8	8	2				2	5	5	8	7	10	10	7	2		59	
VII. GENITO-URINARY SYSTEM.																																									
1. Acute Nephritis	1	1		2			1		1																																2
2. Bright's Disease	3	3		3	3		1	1	4						1		1	1																						6	
3. Other Dis. of Kidneys & Adnexa.	1	1		1											1																									1	
4. Vesical Calculi				1					1																															1	
5. Diseases of the Bladder																																									
6. Dis. of the male Genital Organs.																																									
7. Metritis																																									
8. Other Diseases of the Uterus																																									
9. Ovarian Cysts & Ovarian Tumors																																									
10. Other Dis. of fem. Genital Organs	6	4		7	3		2	1	7						1		1	2													1	1	2		4	2			10		
Total																																									
VIII. PUERPERAL DISEASES.																																									
1. Puerperal Septicemia																																									
	3							3																																	3

IX. THE SKIN.		Total	
1. Erysipelas	3	3	3
2. Skin and Adnexa (Cancer excepted)			
Total			
X. LOCOMOTOR SYSTEM.			
1. Pott's Disease	1	1	1
2. Diseases of Bones and Joints			
3. Amputation (for unspecified Dis.)			
Total			
XI. MALFORMATIONS, ETC.			
1. Still Births	1	2	2
2. Congen. Debil. & Malformations	13	23	23
3. Other Diseases of Infancy	3	3	3
4. Senile Decay	34	18 46 1	23 43
Total			
XII. SUICIDE.			
1. Poison	1	1	1
2. Strangulation	1	1	1
3. Gas Poisoning			
4. Drowning			
5. Firearms			
Total			
XIII. ACCIDENT.			
1. Fractures and Dislocations	12	1	12
2. Gunshot			
3. Lightning			
4. Drowning	1	1	1
5. Electric Cars			
6. Bicycles			
7. Railways			
8. Burns and Scalds	1	1	1
9. Homicide			
10. Accidental Poisoning			
Total			
XIV. ILL-DEFINED CAUSES.			
1. Dropsy	1	4	2 3
2. Tumors	2	2	1 1
3. Other Ill-Defined Causes	2	2	1 3
Total			
Total from all causes			







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CAUSES OF DEATHS BY COUNTIES IN 1897. — FRONTENAC. — POPULATION 49,948. (Including Municipalities of all classes.)

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IX. THE SKIN.		Total	
1. Erysipelas	1	1	1
2. Skin and Adnexa (Cancer except'd)	3	3	3
Total		4	4
X. LOCOMOTOR SYSTEM.		Total	
1. Pott's Disease	1	1	1
2. Diseases of Bones and Joints	1	1	1
3. Amputation (for unspecified Dis.)	1	1	1
Total		3	3
XI. MALFORMATIONS, ETC.		Total	
1. Still Births	14	14	14
2. Congen. Debit. and Malformations	32	32	32
3. Other Diseases of Infancy	9	9	9
4. Senile Decay	1	1	1
Total		56	56
XII. SUICIDE.		Total	
1. Poison	1	1	1
2. Strangulation	1	1	1
3. Gas Poisoning	1	1	1
4. Drowning	1	1	1
5. Firearms	1	1	1
Total		5	5
XIII. ACCIDENTS.		Total	
1. Fractures and Dislocations	3	3	3
2. Gunshot	3	3	3
3. Lightning	1	1	1
4. Drowning	7	7	7
5. Electric Cars	1	1	1
6. Bicycles	1	1	1
7. Railways	1	1	1
8. Burns and Scalds	1	1	1
9. Homicide	1	1	1
10. Accidental Poisoning	1	1	1
Total		25	25
XIV. ILL-DEFINED CAUSES.		Total	
1. Dropsy	6	6	6
2. Tumors	7	7	7
3. Other Ill-Defined Causes	1	1	1
Total		14	14
Total from all causes.			

CAUSES OF DEATHS BY COUNTIES IN 1897. — GREY. — POPULATION, 75,667. (Including Municipalities of all classes.)

General Diseases.		Sex.		Natvty.		Sec'l con.		Ages.												Months.												Totals.									
		Male.		Female.		Canada.		Foreign.		Not sta.		Married.		Not sta.		Under 5.												N. & ov.													

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Total from all causes







IX. THE SKIN.		Total	
1. Erysipelas	6	1	7
2. Skin and Adnexa (Cancer excepted)	6	1	7
Total			
X. LOCOMOTOR SYSTEM.			
1. Pott's Disease	6	1	7
2. Diseases of Bones and Joints	12	1	13
3. Amputation (for unspecified Dis.)	3	1	4
Total			
XI. MALFORMATIONS, ETC.			
1. Still Births	1	1	2
2. Congen. Debil. and Malformation	12	1	13
3. Other Diseases of Infancy	3	1	4
4. Senile Decay	2	1	3
Total			
XII. SUICIDE.			
1. Poison	36	24	60
2. Strangulation	1	1	2
3. Gas Poisoning	1	1	2
4. Drowning	1	1	2
5. Firearms	1	1	2
Total			
XIII. ACCIDENTS. Total.			
1. Fracture and Dislocations	4	1	5
2. Gunshot	1	1	2
3. Lightning	1	1	2
4. Drowning	1	1	2
5. Electric Cars	1	1	2
6. Bicycles	3	2	5
7. Railways	1	1	2
8. Burns and Scalds	1	1	2
9. Homicide	1	1	2
10. Accidental Poisoning	1	1	2
Total			
XIV. ILL-DEFINED CAUSES.			
1. Dropsy	2	4	6
2. Tumors	2	2	4
3. Other Ill-Defined Causes	1	1	2
Total			
Total from all causes.....			











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## HURON, —Continued.









[illegible]

## KENT, — Continued.

[illegible]













[illegible]



## IANARK. — Continued.

Number of Column.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41				
IX. THE SKIN.																																														
1.	Erysipelas																																													
2.	Skin and Adnexa (Cancer except'd)																																													
X. LOCOMOTOR SYST'M. Total																																														
1.	Pott's Disease																																													
2.	Diseases of Bones and Joints																																													
3.	Amputation (for unspecified Dis.)																																													
Total																																														
XI. MALFORMATIONS, ETC.																																														
1.	Still Births	10	10		20			20			20																																			
2.	Congen Debil & Malformations	10	3		13			13			13																																			
3.	Other Diseases of Infancy	3	7		10			10			8	2																																		
4.	Senile Decay	28	37		17	48		3	54	28																																				
Total		51	57		60	48		46	34	28	41	2																																		
XII. SUICIDE.																																														
1.	Poison																																													
2.	Strangulation																																													
3.	Gas Poisoning																																													
4.	Drowning																																													
5.	Firearms																																													
Total																																														
XIII. ACCIDENTS.																																														
1.	Fractures and Dislocations																																													
2.	Gunshot	4			3	1					4																																			
3.	Lightning				2			1			1																																			
4.	Drowning	1			1			1																																						
5.	Electric Cars																																													
6.	Bicycles																																													
7.	Railways	4			4			1		3																																				
8.	Burns and Scalds																																													
9.	Homicide																																													
10.	Accidental Poisoning																																													







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## General Diseases.

## Number of Column.

## I. COMMUNICABLE DISEASES.

1. Typhoid Fever.....
2. Smallpox.....
3. Measles.....
4. Scarlet Fever.....
5. Whooping Cough.....
6. Diphtheria and Croup.....
7. Influenza.....
8. Other Epidemic Diseases.....

## II. OTHER GENERAL DISES.

1. Pyæmia and Septicæmia.....
2. Malarial Fever.....
3. Tuberculosis and Scrofula.....
4. Syphilis.....
5. Cancer.....
6. Rheumatism and Gout.....
7. Diabetes.....
8. Other General Diseases.....
9. Alcoholism, Acute and Chronic.....

## Local Diseases.

## III. NERVOUS SYSTEM.

1. Encephalitis.....
2. Simple Meningitis.....
3. Epidic Cerebro-spinal Meningitis.....
4. Congestion and Hemor'ge of Brain.....
5. Softening of Brain.....
6. Paralysis without specified cause.....
7. Insanity.....
8. Epilepsy.....
9. Convulsions (not puerperal).....
10. Other Nervous Diseases.....

## Total.....

## IV. CIRCULATORY SYSTEM.

1. Pericarditis.....
2. Endocarditis.....

Sex.		Natv'ty.		Soc'l con.		Ages.					Months.												Totals.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Male.	Female.	Not sta.	Canada.	Foreign.	Not sta.	Single.	Married.	Not sta.	Under 5.					5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.		50-59.	60-69.	70-79.	80 & ov.	Not sta.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
									0-1.	1-2.	2-3.	3-4.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
24	18	32	10	4	1	2	2	1	3	1	5	3	1	2	1	1	1	1	1	2	3	2	1	1	6	1	6	6	1	5	3	4	2	1	3	4	4	4	5	4	2	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5	4	4	5</

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	
<b>IV.—Continued.</b>																																										
3. Organic Heart Diseases .....																																										
4. Angina Pectoris .....				11	10			7	7			3			2	1			1																							
5. Arteries, Aneurisms, Aneurism, etc.																																										
6. Other Dis. of Circulatory System.																																										
Total .....	23	14		18	19			8	13	16		3		1	2	1			1		2																					
<b>V. RESPIRATION.</b>																																										
1. Acute Bronchitis .....				2				1	1																																	
2. Chronic Bronchitis .....				2	9			1	5																																	
3. Broncho-pneumonia .....																																										
4. Pneumonia .....				16	11			10	8	9		1	3	1	1																											
5. Pleurisy .....																																										
6. Congestion of the Lungs .....				3				3	1	1		2	1																													
7. Asthma and Emphysema .....				2	1				2																																	
8. Other Dis. of the Respiratory System.																																										
Total .....	22	27		26	23			15	17	17		2	5	2	1	2																										
<b>VI. DIGESTIVE SYSTEM.</b>																																										
1. Ulcer of the Stomach .....																																										
2. Other Dis. of Stom. (cancer except'd)				3	2																																					
3. Infan. & Cholera Infantum .....				12	1			13		2		9	3	1																												
4. Diarr. & Enteritis (not infantile).				2	6			4		3		1	2																													
5. Dysentery .....				3	2																																					
6. Hernia and Intestinal Obstructions				1																																						







[illegible]





Sex.		Nat'v'y.	Soc'l con.	Age.						Months.																															
Male.	Female.	Canada.	Foreign.	Not sta.	Single.	Married.	Under 6.						Over 6.																												
							0-1	1-2	2-3	3-4	4-5	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-59	60-69	70-79	80 & ov.	Not sta.																
General Diseases.																																									
Number of Column.																																									
I. COMMUNICABLE DISEASES.																																									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	Totals.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	Totals.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	Totals.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	Totals.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	Totals.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	Totals.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	Totals.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	Totals.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	Totals.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	Totals.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40		





[illegible]









## General Diseases.

Number of Column,

## I. COMMUNICABLE DISEASES

1. Typhoid Fever.....
2. Smallpox.....
3. Measles.....
4. Scarlet Fever.....
5. Whooping Cough.....
6. Diphtheria and Croup.....
7. Influenza.....
8. Other Epidemic Diseases.....

Total.....	
II. OTHER GENERAL DIS'S.	
1 Pyæmia and Septicæmia..	
2 Malarial Fever.....	
3 Tuberculosis and Scrofula ..	
4 Syphilis .....	
5 Cancer .....	
6 Rheumatism and Gout ..	
7 Diabetes .....	
8 Other General Diseases ..	
9 Alcoholism, Acute and Chronic.	

	Total.....
<b>Local Diseases.</b>	
<b>III Nervous System.</b>	
1. Encephalitis.....	1
2. Simple Meningitis.....	1
3. Epid. c. Cerebro-spinal Meningitis.....	1
4. Congestion & Hemor. ge of Brain.....	1
5. Softening of Brain.....	1
6. Paralysis without specified cause.....	1
7. Insanity.....	1
8. Epilepsy.....	1
9. Convulsions (not puerperal).....	1
10. Other Nervous Diseases.....	1

Total...	
IV. CIRCULATORY SYSTEM.	
1. Pericarditis .....	
2. Endocarditis .....	

[illegible]





IX. THE SKIN.		Total.	IX. THE SKIN.		Total.
1. Erysipelas	1	1	1	1	1
2. Skin and Adnexa (Cancer excepted)	1	1	1	1	1
<b>Total</b>	2	2	2	2	2
<b>X. LOCOMOTOR SYSTEM.</b>					
1. Pott's Disease	1	1	1	1	1
2. Diseases of Bones and Joints	1	1	1	1	1
3. Amputation (for unspecified Dis.)	1	1	1	1	1
<b>Total</b>	3	3	3	3	3
<b>XI. MALFORMATIONS, ETC.</b>					
1. Still Births	9	9	9	9	9
2. Congen. Debil. & Malformations.	26	26	26	26	26
3. Other Diseases of Infancy	9	9	9	9	9
4. Senile Decay	24	24	24	24	24
<b>Total</b>	68	68	68	68	68
<b>XII. SUICIDE.</b>					
1. Poison	1	1	1	1	1
2. Strangulation	1	1	1	1	1
3. Gas Poisoning	1	1	1	1	1
4. Drowning	1	1	1	1	1
5. Firearms	1	1	1	1	1
<b>Total</b>	5	5	5	5	5
<b>XIII. ACCIDENT.</b>					
1. Fractures and Dislocations	10	10	10	10	10
2. Gunshot	5	5	5	5	5
3. Lightning	1	1	1	1	1
4. Drowning	1	1	1	1	1
5. Electric Cars	1	1	1	1	1
6. Bicycles	1	1	1	1	1
7. Railways	2	2	2	2	2
8. Burns and Scalds	1	1	1	1	1
9. Homicide	1	1	1	1	1
10. Accidental Poisoning	1	1	1	1	1
<b>Total</b>	33	33	33	33	33
<b>XIV. ILL-DEFINED CAUSES.</b>					
1. Dr-p-y	7	7	7	7	7
2. Tumors	1	1	1	1	1
3. Other Ill-Defined Causes	4	4	4	4	4
<b>Total</b>	12	12	12	12	12
<b>Total from all causes</b>					
286	237	1	225	2	213



[illegible]



PETERBOROUGH.—Continued.

Number of Column.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41				
IX. THE SKIN.																																														
1.	Ery-sipelas	1	1		2					2											1																									
2.	Skin and Adexa (Cancer excepted)																																													
X. LOCOMOTOR SYSTM. Total		1	1	1	2					2											1																									
1.	Pott's Disease.																																													
2.	Diseases of Bones and Joints.	1								1																																				
3.	Amputation (for unspecified Dis.)																																													
Total		1								1																																				
XI. MALFORMATIONS, ETC.																																														
1.	Still Births	26	10		30			36																																						
2.	Congen. rebel. and Malformations	46	20		46			45																																						
3.	Other Diseases of Infancy	4	1		5			5																																						
3.	Senile Decay	22	29		74			23		29																																				
Total		78	69		94			87		22		84		2																																
XII. SUICIDE.																																														
1.	Poison	1	1		1					2																																				
2.	Strangulation	1			1					1																																				
3.	Gas Poisoning																																													
4.	Drowning																																													
5.	Firearms																																													
Total		2	1		2			1		3																																				
XIII. ACCIDENTS.																																														
1.	Fracture and Dislocations	4			2			2		2																																				
2.	Gunshot				1			1																																						
3.	Lightning																																													
4.	Drowning	4	2		6			5		1																																				
5.	Electric Cars																																													
6.	Bicycles																																													
7.	Railways	1	1		2			1		1																																				
8.	Burns and Scalds																																													
9.	Homicide																																													
10.	Accidental Poisoning																																													
Total		9	4		9			8		3																																				
XIV. UNDEFINED CAUSES.																																														
1.	Dropsy	3	2		2			2		1																																				
2.	Tumors	2	3		5			1		3																																				
3.	Other Ill-Defined Causes																																													
Total		4	5		7			3		4																																				
Total from all causes		242	209		337			219		111		125		15		4		9		13		20		14		33		24		39		1		23		37		51		34		35		38		41







IX. THE SKIN.		Total	
1. Erysipelas.....	1	1	1
2. Skin and Adnexa (Cancer except'd)	1	1	1
3. Other acc. of Preg., sudden death	2	2	2
4. Fuperal Diseases of the Breast.	13	13	13
Total		16	16
X. LOCOMOTOR SYSTEM.		Total	
1. Pott's Disease.....	1	1	1
2. Diseases of Bones and Joints...	1	1	1
3. Amputation (for unspecified Dis.)	1	1	1
Total		3	3
XI. MALFORMATIONS, ETC.		Total	
1. Still Births.....	11	11	11
2. Congen. Debil. and Malformations	52	52	52
3. Other Diseases of Infancy.....	16	16	16
4. Senile Decay.....	33	33	33
Total		116	116
XII. SUICIDE.		Total	
1. Poison.....	1	1	1
2. Strangulation.....	1	1	1
3. Gas Poisoning.....	1	1	1
4. Drowning.....	1	1	1
5. Firearms.....	1	1	1
Total		5	5
XIII. ACCIDENTS. Total.		Total	
1. Fractures and Dislocations.....	7	7	7
2. Gunshot.....	1	1	1
3. Lightning.....	1	1	1
4. Drowning.....	1	1	1
5. Electric Cars.....	1	1	1
6. Bie. cles.....	1	1	1
7. Railways.....	1	1	1
8. Burns and Scalds.....	1	1	1
9. Homicide.....	1	1	1
10. Accidental Poisoning.....	1	1	1
Total		12	12
XIV. ILL-DEFINED CAUSES.		Total	
1. Dropsy.....	4	4	4
2. Tumors.....	2	2	2
3. Other Ill-Defined Causes.....	8	8	8
Total		14	14
Total from all causes		762	762









## General Diseases.

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[illegible]











	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Puer-Peritonitis and Convuls.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Other acc. of Pleg., sudden death	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Fue peral Disease of the Breast.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Total.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
XI. MALFORMATIONS, ETC.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	7																							















[illegible]



[illegible]























## WELLINGTON, — Continued.

Number of Column.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41			
<b>IV—Continued.</b>																																													
3.	Organic Heart Diseases.....	11	16		14	13		2	18	7							1			1	2	1		4	4	12	2				1	3	4	1	1	4	3	3	2	1	2	2	27		
4.	Angina Pectoris.....	1			1				1																																		27		
5.	Arteries, Atheroma, Aneurism, etc																																									12			
6.	Other Dis. of Circulatory System.	8	4		8	4		3	4	5		1					2	1					1			7						3	1	1	3	1	1	1				12			
	<b>Total.....</b>	21	20		24	17		5	23	13		1				1	2	1	1	2	2		5	4	20	2						1	3	7	3	2	8	4	4	3	2	2	41		
<b>V. RESPIRATION.</b>																																													
1.	Acute Bronchitis.....	6	6		12			12				8	3																														12		
2.	Chronic Bronchitis.....	3	1		2	6		1		1						1																										2			
3.	Broncho-pneumonia.....	1	1		1																																					2			
4.	Pneumonia.....	16	10		11	15		3	19	4		1																														26			
5.	Pleurisy.....	2	1		2																																					2			
6.	Congestion of the Lungs.....	10	5		10	4		1	5	6	4	3					1	1	1	1																						15			
7.	Asthma and Emphysema.....				1				1																																		1		
8.	Other Dis. of the Respiry. System																																									1			
	<b>Total.....</b>	36	31		39	26		2	21	37	9	12	4	1		1	1	1	1	1	1	2	2	6	5	6	14	10				7	11	13	7	4	3	3	1	1	5	5	7		
<b>VI. DIGESTIVE SYSTEM.</b>																																													
1.	Ulcer of the Stomach.....	1	1		2			1		1																																	2		
2.	Other Dis. of Stom. (cancer except'd)																																										2		
3.	Infan. Diarr. and Cholera Infant'm	5	8		13			13				12	1																														3		
4.	Diarrh'a & Enteritis (not infantile)	2	3		2	3		4	1																																	5			
5.	Dysentery.....																																										5		
6.	Hernia and Intestinal Obstructions	1	4		3	2		1	1	3																																	5		
7.	Other Diseases of the Intestines.....	2	2		3	1		2	2			1	1																														4		
8.	Diseases of the Liver.....	4	2		2	3		3	3																																		6		
9.	Peritonitis (not puerperal).....	3	6		6	3		3	3	3																																	9		
10.	Iliaac abscess and appendicitis.....	5	1		4	2		3		3																																	6		
	<b>Total.....</b>	23	28		37	14		23	14	14		14	1	1	1	1	1	1	1	1	4	5	2	1	3	8	4	3	2			5		2	4	6	3	6	4	10	4	5	2	51	
<b>VII. GENITO-URINARY SYSTM.</b>																																													
1.	Acute Nephritis.....	2	1		2																																							3	
2.	Bright's Disease.....	3	7		5	5		1	5	4																																	10		
3.	Other Dis. of Kidney & Adnrea.																																												
4.	Vesical Calculi.....																																												
5.	Disease of the Bladder.....	1																																											
6.	Dis. of the male Genital Organs.																																												
7.	Metritis.....																																												
8.	Other Diseases of the Uterus.....																																												
9.	Ovarian Cysts & Ovarian Tumors.																																												
10.	Other D.s. of fem. Genital Organs																																												
	<b>Total.....</b>	6	9		8	7		2	7	6																																			15
<b>VIII. PUERPERAL DISEASES.</b>																																													



X. THE SKIN.		Total.	
1. Erysipelas	6	5	1
2. Skin and Adnexa (Cancer excepted)			
Total.			
X. LOCOMOTOR SYSTEM.			
1. Pott's Disease	1	1	
2. Disease of the Bones and Joints			
3. Amputation (for unspecified Dis.)			
Total.			
XI. MALFORMATIONS, ETC.			
1. Still-Births	16	3	19
2. Congen. Debil. and Malformations	23	22	45
3. Other Diseases of Infancy	72	58	16 114
4. Senile Decay	111	83	80 114
Total.			
XII. SUICIDE.			
1. Poison.			
2. Strangulation			
3. Gas Poisoning			
4. Drowning			
5. Firearms.			
Total.			
XIII. ACCIDENT.			
1. Fractures and Dislocations	16	5	10 10 1
2. Gunshot			
3. Lightning			
4. Drowning			
5. Electric cars.			
6. Bicycles			
7. Railways.			
8. Burns and Scalds			
9. Homocide			
10. Accidental Poisoning			
Total.			
XIV. ILL-DEFINED CAUSES.			
1. Dropsy	4	3	2
2. Tumors	2	3	2
3. Other Ill-Defined Causes	7	7	6
Total.			
Total from all causes			

CAUSES OF DEATHS BY COUNTIES IN 1897.—WENTWORTH.—POPULATION, 84,780. (Including Municipalities of all classes.)

General Diseases.	Number of Column.	Sex.		Nativity.		Soc. con.		Age.					Months.												Totals.					
		Male.	Female.	Canada.	Foreign.	Not sta.	Single.	Married.	Not sta.	Under 5.					80 & ov.	Not v'n	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.		Sept.	Oct.	Nov.	Dec.	
										0.	1.	2.	3.	4.																5-9.
I. COMMUNICABLE DISEASES.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	41
1. Typhoid Fever.....		3	6		8	1		4	2	3			1		1	1	1	1	2			1					1			9
2. Smallpox.....		1	6		7			7				1	1	2							2	1						1		7
3. Measles.....																														
4. Scarlet Fever.....																														
5. Whooping Cough.....		15	13	27			1	26	1	1		3	7	8	2	3	1				8	1	3	1	1	1	1	4	7	28
6. Diphtheria and Croup.....		3	3		2	3	1	1	4					1		2	3				3	3								6
7. Influenza.....																														
8. Other Epidemic Diseases.....																														
II. OTHER GENERAL DISS.		22	28		44	4	2	38	4	8		1	3	5	10	11	3	1	4	2	2	1	1	1	1	2	4			50
1. Pyæmia and Septicæmia.....		3	7		8	2		4	2	4						2	1	1	1	2						1				10
2. Malarial Fever.....																														
3. Tuberculosis and Scrofula.....		62	64	88	32	6	31	36	59		1	1		1	4	9	22	14	13	14	9	5	17	8	3	1				126
4. Syphilis.....		1																												1
5. Cancer.....		17	22	14	25	1		1	24	14								1	2	3		3	12	11	4	2	1			39
6. Rheumatism and Gout.....		3	5	2	3	1	3	1	3	1		1						1	2			1	2							5
7. Diabetes.....																														3
8. Other General Diseases.....		7	4	3	7	1	2	9										1	1	1	1	1	1	1	1	2				11
9. Alcoholism, Acute and Chronic.....																														
Total.....		93	102	117	71	7	38	69	88		1	1	1	1	4	6	11	24	15	15	20	9	10	33	29	8	3			195
Local Diseases.																														
III. NERVOUS SYSTEM.																														
1. Encephalitis.....		2			2		2																							
2. Simple Meningitis.....		6	4	10			8	2	2	2																				
3. Epid. Cerebro-spinal Meningitis.....		16	20	13	20	3	5	19	12		1	1																		
4. Congestion & Hæmge. of Brain.....		1	1																											
5. Softening of the Brain.....		10	12	9	10	3	2	8	12		1	1	1																	
6. Paralysis without specified cause.....																														
7. Insanity.....		4	2	5	2		2	7																						
8. Epilepsy.....																														
9. Convulsions (not puerperal).....		13	5	18			17		1		9	2	1		2			3	1	1	1	1	1	1	1	3				18
10. Other Nervous Diseases.....		4	1		4	1	1		4																					
Total.....		65	47	68	38	6	39	33	40		10	1	6	2	1	13	4	2	3	6	5	6	14	15	12	3				112
IV. CIRCULATORY SYSTEM.																														
1. Pericarditis.....																														

3. Organic Heart Diseases	27	31	24	32	2	3	24	31	...	2	...	4	7	3	1	6	19	13	1	2	10	5	4	7	2	1	4	3	7	6	7	58	
4. Angina Pectoris	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	
5. Arteries, Atheroma, Aneurism, etc	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	
6. Other Dis. of Circulatory System	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	
Total.....	31	34	29	34	2	3	26	36	...	2	...	6	9	3	1	6	22	13	1	2	3	10	7	4	7	3	1	5	5	7	6	65	
V. RESPIRATION.																																	
1. Acute Bronchitis	3	3	5	1	1	5	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1	6	
2. Chronic Bronchitis	9	9	13	5	5	8	5	5	2	1	1	1	1	1	1	1	1	1	1	1	2	1	2	1	2	1	1	1	1	1	1	18	
3. Broncho-pneumonia	2	4	6	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	2	1	1	1	1	1	1	16	
4. Pneumonia	40	34	38	35	1	13	31	30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	74	
5. Pleurisy	2	2	4	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	
6. Congestion of the Lungs	6	6	9	3	2	6	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	12	
7. Asthma and Emphysema	3	2	3	2	3	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	
8. Other Dis. of the Respir System	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	
Total.....	66	61	80	46	1	37	48	42	7	4	2	2	4	6	7	3	9	8	7	2	4	9	17	18	11	7	16	13	27	13	4	127	
VI. DIGESTIVE SYSTEM.																																	
1. Ulcer of the Stomach.....	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	
2. Other Dis. of Stomach (cancer exp'd)	3	4	5	2	2	1	2	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7	
3. Infan. Diarr. & Cholera Infantum	12	14	26	10	4	26	1	1	12	3	2	2	1	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	26
4. Diarr. & Enteritis (not infantile)	9	6	10	4	1	9	1	5	2	2	1	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	
5. Dysentery	1	5	1	4	1	1	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	
6. Hernia & Intestinal obstructions	2	3	2	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	
7. Other Diseases of the Intestines	3	5	3	3	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	
8. Diseases of the Liver	6	2	5	2	1	3	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	
9. Peritonitis (not puerperal)	7	7	7	7	1	1	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	8	
10. Iliac abscess and appendicitis...	...	2	4	6	...	3	1	2	...	1	...	1	...	1	...	3	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	7	
Total.....	39	47	66	17	3	49	15	22	15	3	4	3	2	16	1	4	5	3	2	2	4	7	4	6	2	2	5	4	3	5	5	56	
VII. GENITO-URINARY SYSTM																																	
1. Acute Nephritis	7	3	3	7	1	1	4	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10	
2. Bright's Disease	16	11	15	10	2	12	15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	27	
3. Other Dis. of Kidneys & Adnexa	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
4. Vesical Calculi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
5. Diseases of the Bladder	4	...	4	...	1	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	
6. Dis. of the male Genital Organs	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
7. Metritis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
8. Other Diseases of the Uterus	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
9. Ovarian Cysts & Ovarian Tumors	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
10. Other Dis. of fem. Genital Organs	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Total.....	27	16	19	22	2	19	23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	43	
VIII. PUERPERAL DISEASES																																	
1. Puerperal Septicæmia	...	2	1	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	
2. Puerl Albuminuria and Convul.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
3. Other acc. of Preg., sudden death	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Puerperal Disease of the Breast	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Total.....	...	2	1	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	





## General Diseases.

Number of Column.

### I. COMMUNICABLE DISEASES.

1. Typhoid Fever.
2. Smallpox.
3. Measles.
4. Scarlet Fever.
5. Whooping Cough.
6. Diphtheria and Croup.
7. Influenza.
8. Other Epidemic Diseases.

## Total...

## II. OTHER GENERAL DISES.

1. Pyæmia and Septicæmia .....
2. Malarial Fever .....
3. Tuberculosis and Scrofula .....
4. Syphilis .....
5. Cancer .....
6. Rheumatism and Gout .....
7. Diabetes .....
8. Other General Diseases .....
9. Alcoholism, Acute and Chronic .....

Total Local Diseases.

### III. NERVOUS SYSTEM.

1. Encephalitis .....
2. Simple Meningitis .....
3. Epidic Cerebro-spinal Meningitis .....
4. Congestion and Hemor'ge of Brain .....
5. Softening of Brain .....
6. Paralysis without specified cause. ....
7. Insanity .....
8. Epilepsy .....
9. Convulsions (not puerperal) .....
10. Other Nervous Diseases .....

## Total .

#### IV. CIRCULATORY SYSTEM.

1. Pericarditis .....
2. Endocarditis .....

[illegible]





[illegible]



[illegible]







[illegible]



[illegible]







CITY OF OTTAWA.—Continued.

Number of Column.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41			
IX. THE SKIN.																																													
1.	Erysipelas.....	4	3		6		1	3	4		2							1									3	1			1	3													
2.	Skin and Adnexa (cancer except'd)	4	3		6		1	3	4		2																																		
X. LOCOMOTOR SYST'M. Total		4	3		6		1	3	4		2																																		
1.	Pott's Disease.....	4	4		2	2		1	2	1																																			
2.	Diseases of Bones and Joints.....	4	4		2	2		1	2	1																																			
3.	Amputation (for unspecified Dis.)	4	4		2	2		1	2	1																																			
Total.....		4	4		2	2		1	2	1																																			
XI. MALFORMATIONS, ETC.																																													
1.	Still-Births.....	44	36		80		80				80																																		
2.	Congen. Debil. & Malformations.	34	38		72		72				72																																		
3.	Other Diseases of Infancy.....	42	31		73		73				70	3																																	
4.	Senile Decay.....	30	24		21	28	5		9	45																																			
Total.....		150	129		246	28	5	225	9	45	222	3																																	
XII. SUICIDE.																																													
1.	Poison.....	1	1		1		1	1	1																																				
2.	Strangulation.....	1	1		1		1	1	1																																				
3.	Gas Poisoning.....																																												
4.	Drowning.....																																												
5.	Firearms.....																																												
Total.....		1	2		2		1	1	1																																				
XIII. ACCIDENTS.																																													
1.	Fractures and Dislocations.....	6	10		10	4	2	7	1	8	2																																		
2.	Gunshot.....	1			1					1																																			
3.	Lightning.....																																												
4.	Drowning.....	6			5		1	4	2		2																																		
5.	Electric Cars.....																																												
6.	Bicycles.....																																												
7.	Railways.....	12			10		2	2	10																																				
8.	Burns and Scalds.....	5	4		9		6	1	2		1	2																																	
9.	Homicide.....																																												
10.	Accidental Poisoning.....																																												
Total.....		30	14		35	4	5	19	2	23	4	1	3																																
XIV. ILL-DEFINED CAUSES.																																													
1.	Dropsy.....		4		3		1	1	3																																				
2.	Tumors.....		1	3		3		1	2		1																																		
3.	Other Ill-Defined Causes.....		3	1		4		3	1																																				
Total.....		4	8		10		2	6		6	1																																		
Total from all causes.....		654	588		1,057	23	788	100	354	529	55	22	23	13	30	20	47	48	53	35	36	23	36	66	80	76	48	2	91	139	95	95	94	156	131	97	70	81							
Total from all causes.....		654	588		1,057	23	788	100	354	529	55	22	23	13	30	20	47	48	53	35	36	23	36	66	80	76	48	2	91	139	95	95	94	156	131	97	70	81							

1. Pericarditis . . . . .
2. Endocarditis . . . . .









[illegible]















[illegible]





[illegible]





[illegible]



[illegible]





## General Diseases.

## Number of Columns.

## I. COMMUNICABLE DISEASES.

1. Typhoid Fever.....
2. Smallpox.....
3. Measles.....
4. Scarlet Fever.....
5. Whooping Cough.....
6. Diphtheria and Croup.....
7. Influenza.....
8. Other Epidemic Diseases.....

## Total

## II. OTHER GENERAL DIS.

1. Pyæmia and Septicæmia.....
2. Malarial Fever.....
3. Tuberculosis and Scrofula.....
4. Syphilis.....
5. Cancer.....
6. Rheumatism and Gout.....
7. Diabetes.....
8. Other General Diseases.....
9. Alcoholism, Acute and Chronic.....

## Total.

## Local Diseases.

## III. NERVOUS SYSTEM.

1. Encephalitis.....
2. Simple Meningitis.....
3. Epidic Cerebrospinal Meningitis.....
4. Congestion and Hem'age of Brain.....
5. Softening of the Brain.....
6. Paralysis without specified cause.....
7. Insanity.....
8. Epilepsy.....
9. Convulsions (not puerperal).....
10. Other Nervous Diseases.....

## Total

## IV. CIRCULATORY SYSTEM.

1. Pericarditis.....
2. Endocarditis.....

## Months.

## Age.

## Sex.

## Nat vity

## Soc. con.

## Male.

## Female.

## Not sta.

## Canada.

## Foreign.

## Not sta.

## Under 5.

## 0-1.

## 1-2.

## 2-3.

## 3-4.

## 4-5.

## 5-9.

## 10-14.

## 15-19.

## 20-24.

## 25-29.

## 30-34.

## 35-39.

## 40-44.

## 45-49.

## 50-59.

## 60-69.

## 70-79.

## 80 &amp; ov.

## Not sta.

## Jan.

## Feb.

## March.

## April.

## May.

## June.

## July.

## Aug.

## Sept.

## Oct.

## Nov.

## Dec.

## Total.

## 41

## 8

## 2

## 1

## 11

## 20

## 7

## 1

## 2

## 30

## 5

## 2

## 11

## 4

## 3

## 1

## 26





















[illegible]



[illegible]



## CITY OF CHATHAM.---Continued.

	Number of Column.																																								
IX. THE SKIN.																																									
1. Erysipelas	1				1				1																																
2. Skin and Adnexa (Cancer except'd)																																									
<b>X. LOCOMOTOR SYST'M. Total</b>	1			1				1																			1											1			
XI. MALFORMATIONS, ETC.																																									
1. Still Births	4	5		9			9			9																													9		
2. Congen. Debil. & Malformations	3	7		10			10																															10			
3. Other Diseases of Infancy	4	3						2	5																													7			
4. Senile Decay																																									
<b>Total</b>	11	15		19	7		19	2	5	19																	5	2		5	2	3	3	4	2	1	1	5	2	3	1
XII. SUICIDE.																																									
1. Poison																																									
2. Strangulation																																									
3. Gas Poisoning																																									
4. Drowning																																									
5. Firearms																																									
<b>Total</b>																																									
XIII. ACCIDENTS.																																									
1. Fractures and Dislocations	6			5	1		1		5																														6		
2. Gunshot																																									
3. Lightning																																									
4. Drowning	2			1	1		1		1																													2			
5. Electric Cars																																									
6. Bicycles																																									
7. Railways	1								1																													1			
8. Burns and Scalds																																									
9. Homicide																																									
10. Accidental Poisoning																																									
<b>Total</b>	9			7	2		2		7																													9			
XIV. ILL-DEFINED CAUSES.																																									
1. Dropsy																																									
2. Tumors	2	1		2	1				3																													3			
3. Other Ill-Defined Causes																																									
<b>Total</b>	2	1		2	1				3																													3			
<b>Total from all causes</b>	88	73		106	54		1		99	32		6	4	1		7	8	5	6	7	3	7	21	30	10														161		



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[illegible]



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Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	
IX. THE SKIN.																																										
1. Erysipelas .....																																										
2. Skin and Adnexa (Cancer except'd) .....																																										
XX. LOCOMOTOR SYST'M. Total																																										
1. Pott's Disease .....																																										
2. Diseases of Bones and Joints .....																																										
3. Amputation (for unspecified Dis.) .....																																										
XI. MALFORMATIONS, ETC.																																										
1. Still Births .....																																										
2. Congen. Lebel. and Malformations .....																																										
3. Other Diseases of Infancy .....																																										
4. Senile Decay .....																																										
XII. SUICIDE. Total																																										
1. Poison .....																																										
2. Strangulation .....																																										
3. Gas Poisoning .....																																										
4. Drowning .....																																										
5. Firearms .....																																										
XIII. ACCIDENTS. Total																																										
1. Fracture and Dislocations .....																																										
2. Gunshot .....																																										
3. Lightning .....																																										
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1. Dropsy .....																																										
2. Tumors .....																																										
3. Other Ill-Defined Causes .....																																										
Total																																										
Total from all causes																																										

## General Diseases.

Number of Column.

## I. COMMUNICABLE DISEASES.

1. Typhoid Fever . . . . .
2. Smallpox . . . . .
3. Measles . . . . .
4. Scarlet Fever . . . . .
5. Whooping Cough . . . . .
6. Diphtheria and Croup . . . . .
7. Influenza . . . . .
8. Other Epidemic Diseases . . . . .

## Total.....

## II. OTHER GENERAL DISES.

1. Pyæmia and Septicæmia.....
2. Malarial Fever.....
3. Tuberculosis and Scrofula.....
4. Syphilis.....
5. Cancer.....
6. Rheumatism and Gout.....
7. Diabete.....
8. Other General Diseases.....
9. Alcoholism, Acute and Chronic.....

## Total.....

## Local Diseases.

### III. NERVOUS SYSTEM.

1. Encephalitis.....
2. Simple Meningitis.....
3. Epid'c. Cerebro-spinal Meningitis.....
4. Congestion & Hæmge. of Brain.....
5. Softening of the Brain.....
6. Paralysis without specified cause.....
7. Insanity.....
8. Epilepsy.....
9. Convulsions (not puerperal).....
10. Other Nervous Diseases.....

## Total. ....

**IV. CIRCULATORY SYSTEM.**  
1. Pericarditis .....  
2. Endocarditis.....

[illegible]

















NIAGARA FALLS. — Continued.

[illegible]



[illegible]









[illegible]









[illegible]



## RAT PORTAGE.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IX. THE SKIN.																																									
1. Erysipelas .....																																									
2. Skin and Adnexa (cancer except'd) .....																																									
X. LOCOMOTOR SYSTEM. Total																																									
1. Pott's Disease .....																																									
2. Diseases of Bones and Joints .....																																									
3. Amputation (for unspecified Dis.) .....																																									
XI. MALFORMATIONS, ETC. Total																																									
1. Still-Births .....	1	1		2			2																																		
2. Congen. Debil. & Malformations.	3	5		8			8																																		
3. Other Diseases of Infancy .....																																									
4. Senile Decay .....	2			1	1			2																																	
XII. SUICIDE. Total																																									
1. Poison .....	4	8		11	1		10	2		10																															
2. Strangulation .....																																									
3. Gas Poisoning .....																																									
4. Drowning .....																																									
5. Firearms .....																																									
XIII. ACCIDENTS. Total																																									
1. Fractures and Dislocations .....	2			2				2																																	
2. Gunshot .....																																									
3. Lifting .....																																									
4. Dr. wing .....	4	1		4	1		1	1	3																																
5. Electric Cars .....																																									
6. Bicycles .....																																									
7. Railways .....	2			2				2																																	
8. Burns and Scalds .....																																									
9. Homicide .....																																									
10. Accidental Poisoning .....																																									
XIV. ILL-DEFINED CAUSES. Total																																									
1. Dropsy .....	8	1		8	1		1	1	7																																
2. Tumors .....	1			1					1																																
3. Other Ill-Defined Causes .....	1	1		2				2																																	
Total																																									
Total from all causes																																									
	64	38		97	3		56	18	28	24	4	3	3	3	3	6	8	10	7	3	7	4	2	1	1	1	1	1	1	5	11	9	7	8	8	15	4	11	102		











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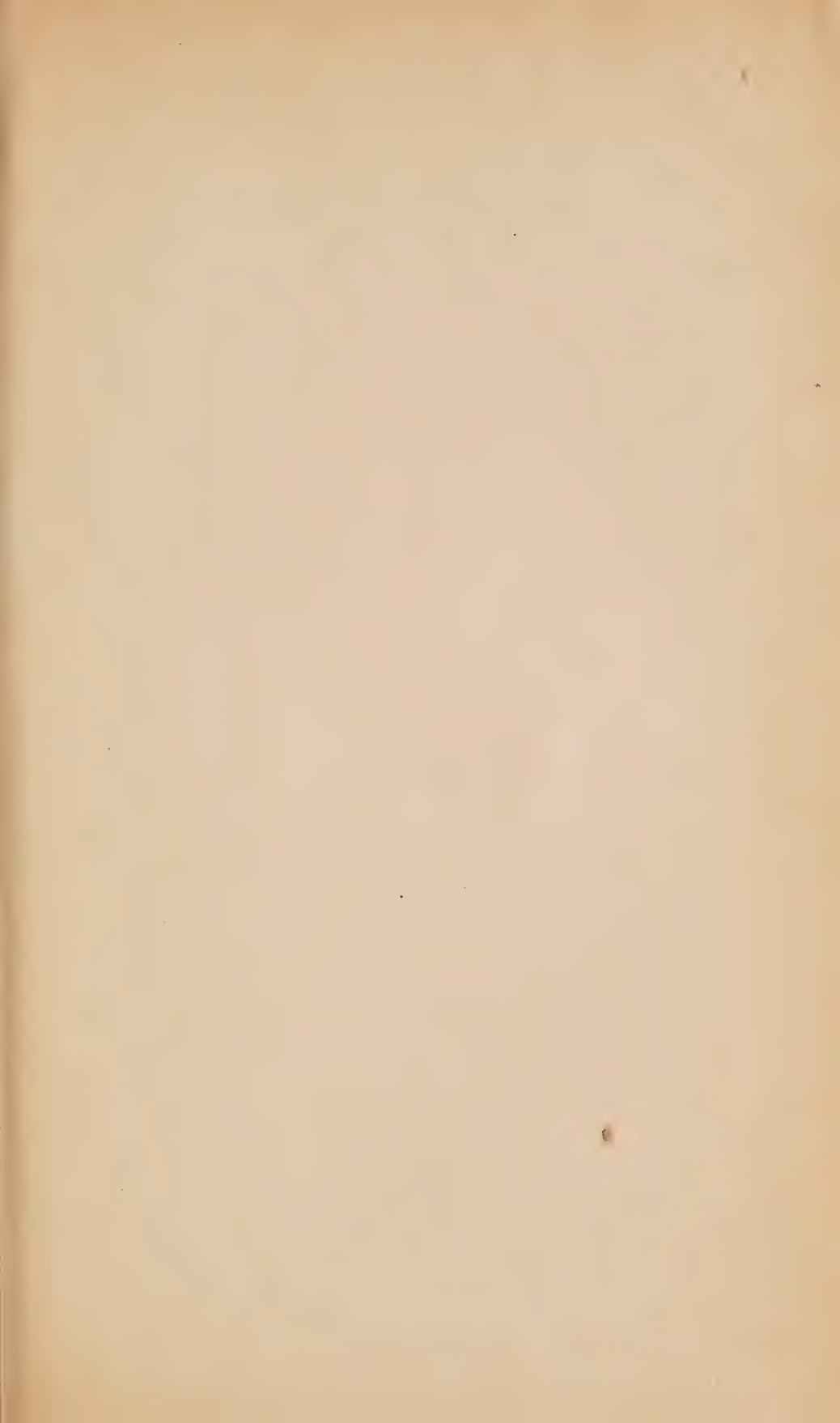
WOODSTOCK—Continued.

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REPORT  
RELATING TO THE REGISTRATION OF  
BIRTHS, MARRIAGES AND DEATHS  
IN THE  
PROVINCE OF ONTARIO  
FOR THE  
YEAR ENDING 31<sup>ST</sup> DECEMBER,  
1898.

---

PRINTED BY ORDER OF  
THE LEGISLATIVE ASSEMBLY OF ONTARIO.

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Dr D. J. S. Wishart

1919

REPORT  
RELATING TO THE REGISTRATION OF  
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1900.





OFFICE OF THE REGISTRAR-GENERAL FOR ONTARIO,

TORONTO, January 2nd, 1900.

To Sir OLIVER MOWAT, K.C.M.G.,

*Lieutenant-Governor of the Province of Ontario.*

LAY IT PLEASE YOUR HONOUR :

In compliance with the Statute in that behalf, the undersigned respectfully presents to Your Honour the Annual Report of Births, Marriages and Deaths for the year ending 31st December, 1898.

Respectfully submitted,

J. R. STRATTON,  
Registrar-General.





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TORONTO, Jan. 2, 1900.

To the Hon. J. R. STRATTON,

*Registrar-General of the Province of Ontario.*

SIR,—I have the honor herewith to lay before you for your consideration, the twenty-ninth Annual Report regarding Births, Marriages and Deaths in the Province of Ontario, it being for the year 1898.

### Population.

The population adopted as the basis of calculation for the tables of this report, is that based upon the Canada census of 1891. It is based upon the arbitrary assumption that there has been an average increase per annum of one per cent. during each year since this period, the increase being dependent upon the difference between the births and deaths recorded during any year. The population adopted for the report of 1897, obtained by the addition of one per cent. to the population as given for each of the counties and territorial districts, was 2,257,378; hence the estimated population for 1898 is 2,279,929.

That there may be actually a smaller population in the Province than is obtained by this arbitrary method of calculation, is gathered from the fact that the total recorded increase of births over deaths is 20,229, or 0.89 of one per cent. On the other hand there is good ground for the belief that the number of recorded births does not represent the total births which have actually occurred. Apart from imperfect registration, careful examination of the records reveals the fact that a notable number of still-births are recorded only amongst the deaths. Thus as will be seen from the following table, which shows the total still-births in the 13 cities of the Province, recorded as deaths, of the total 433 still-births, only 201 were recorded as births by the Division-Registrars in their returns to the Registrar-General, or 232 still-births were unrecorded as births.

*Still-Births in Cities in 1898, showing the number recorded in Death Schedules as compared with Birth Schedules.*

Cities.	Death Schedules.	Birth Schedules.	Per Cent.
Windsor	10	10	100
St. Thomas	6	5	83
Stratford	8	0	.....
St. Catharines	14	5	36
Windsor	20	18	90
Wellsville	4	4	100
Windsor	10	10	100
Stratford	25	25	100
London	12	3	25
Kingston	14	12	85
Ottawa	75	15	20
Hamilton	52	35	67
Toronto	183	59	32

By comparing the total still-births 433 in cities, with the total births in cities 9,343, exclusive of all still-births however registered, it is found that the percentage to the whole of still-births is 4.63. If the proportion of still-births bears the same ratio in all municipalities other than cities and are unrecorded as births in the same proportion, then the increase of births in the Province will be 2.5 per cent. added to the total 46,599 recorded births, giving a total of 47,553, or an actual increase of 954. That the neglect to record still-births in births has not, however, prevailed in rural municipalities to the same extent as in cities is gathered from the following table:



Table showing Still-Births by Counties, as recorded under Deaths and under Births, 1898

Counties.	Total Births, 1898.	Total still-births including in- fants who died under one day old recorded under Deaths.	Still-births re- corded under Births.	Still-births not recorded un- der Births.
Algoma .....	817	14	13	15
Brant .....	702	56	31	25
Bruce .....	1,310	35	32	3
Carleton .....	2,183	109	92	17
Dufferin .....	449	10	7	3
Elgin .....	763	13	10	3
Essex .....	1,607	45	38	7
Frontenac .....	919	22	19	3
Grey .....	1,426	23	22	1
Haldimand .....	403	3	2	1
Halton .....	410	9	9	0
Hastiburton .....	222	3	3	0
Hastings .....	1,202	18	16	2
Huron .....	1,278	25	21	4
Kent .....	1,313	59	43	16
Lambton .....	1,170	26	19	7
Lanark .....	743	15	14	1
Leeds and Grenville .....	1,062	7	6	1
Lennox and Addington .....	467	7	7	0
Lincoln .....	560	26	19	7
Middlesex .....	1,615	24	15	9
Muskoka .....	601	9	9	0
Norfolk .....	651	10	9	1
Northumberland and Durham .....	1,218	28	27	1
Nipissing .....	897	11	9	2
Ontario .....	854	25	23	2
Oxford .....	1,073	37	34	3
Peel .....	408	2	1	1
Perth .....	999	20	10	10
Peterborough .....	831	29	29	0
Prescott and Russell .....	1,623	28	24	4
Prince Edward .....	305	3	3	0
Parry Sound .....	680	12	11	1
Rainy River .....	235	8	5	3
Renfrew .....	1,357	24	24	0
Simcoe .....	1,744	30	28	2
Stormont, Dundas and Glengarry .....	1,338	29	28	1
Thunder Bay .....	254	6	6	0
Victoria .....	729	32	32	0
Waterloo .....	1,151	27	25	2
Welland .....	656	9	8	1
Wellington .....	1,197	22	21	1
Wentworth .....	1,678	66	47	19
York .....	5,509	212	77	135
Totals .....	46,599	1,228	928	300

## Births.

The total births recorded in 1898 were 46,599, as compared with 47,323 in 1897 showing a decrease of 724 for the year. The rate calculated per 1,000 is 20.4, or decline of 0.5 per 1,000 for 1897. The variations as regards increases and decreases are set forth in table 1 of this report (page 28). The distribution of the increases and decreases by counties is a matter of much interest as indicating both the effects of movements of populations and variations in their social status; as also the degree of thoroughness with which returns are made and collected. In examining the returns there is seen a total increase in the cities of 174 births over 1897, but a notable decrease appears in the towns, amounting to 174. The counties in which increases and decreases are recorded are set forth in table 1, page 28. Those showing an increase are chiefly those in which the growing cities are situated. Thus, Carleton shows an increase of 95, Essex has 4, Middlesex 50, Wellington 52, and Wentworth 151. Those showing the more notable

decreases are the counties very largely agricultural. Thus, Bruce shows a decrease of 157, Grey 55, Kent 89, Lambton 61, Leeds and Grenville 60, Ontario 49, Peterborough 59, Renfrew 169.

Such would seem to be the natural results of influences which have been operative for years, due to the change of occupations of the population of a district; but on closer examination into the facts, other elements are found to enter in, which in some instances argue strongly against so satisfactory an explanation. Thus York shows a decrease of 40, although Toronto is situated therein. Brant shows a decrease of 69, with Brantford a rapidly growing city, while Waterloo, a county with an unusual number of growing, manufacturing towns, shows a decrease of 44.

In order that the primary question of completeness of returns may be to some extent determined, a circular was sent to all Division-Registrars on January 25th, 1899, containing the following paragraph:

"The Registrar-General is desirous of obtaining information as to how many Division-Registrars receive the fees for their work as Division-Registrars, as defined under Section 36 of the Act, and how many have the fees commuted by receiving as Municipal Clerk only a salary for which they are expected to do all the work laid upon the Clerk under the Statutes. I shall, therefore, take it as a favor if you will send a card stating in which manner you are paid, as it is desirable that this work should be paid for specially in order that the time necessary for obtaining complete returns may be given to it."

Replies were received from 329 Division-Registrars, and the results of the replies are set down in the following table:

County.	Cities.			Towns and Villages.			Townships.		
	Total.	Yes.	No.	Total.	Yes.	No.	Total.	Yes.	No.
Algoma				3	3		40	7	1
Brant	1	1		1	1		5	3	
Bruce				10	5	1	16	10	
Carleton	1	1		3	1		10	3	
Dufferin				3	1		6	2	
Elgin	1	1		5	1	1	7		
Essex	1	1		7	5		17	6	1
Frontenac	1		1	1	1		16	2	
Grey				6	3	1	10	5	1
Haldimand				4	1		10	1	3
Halton				5	2		4	2	
Haliburton							10	2	1
Hastings	1	1		5	2		18	8	
Huron				9	3	1	17	8	2
Kent	1		1	8	3	1	10	5	
Lambton				6	5		9	4	
Lanark				5	3		13	4	
Leeds and Grenville				8	1	2	15	6	
Lennox and Addington				3	2		10	2	1
Lincoln	1	1		5			8	3	1
Middlesex	1	1		7	1	1	15	5	
Muskoka				4	1	2	16	7	1
Norfolk				5	3		9	6	
Northumberland & D.				9	7	1	15	7	
Nipissing				4	2		14	1	1
Ontario				5	3	1	12	9	1
Oxford				5	2		11	7	1
Peel				3	1		5	2	1
Perth	1	1		5			11	5	
Peterboro'				5	2		12	6	
Prescott and Russell				2		1	11	3	
Prince Edward				5	1		7	3	
Parry Sound				3	1		27	9	1
Rainy River				1			8		
Renfrew				4			22	11	
Simcoe				10	4		17	6	
Stormont, D. and G.				8	3		11	5	
Thunder Bay				2			5		
Victoria				5	3		11	4	
Waterloo				8	4		5	4	
Welland				8	3		8	4	
Wellington	1	1		9	3	1	12	5	
Wentworth	1	1		2	1		8	4	
York	1		1	13			10	3	

The percentage of cities making returns is 100 and two only of the 13 registrars are not paid specially for their work.

The percentage of the towns and villages making returns is 46 per cent., and of this number 86 per cent. report they are paid fees, while the balance, 14 per cent., have their fees commuted.

The percentage of townships making returns, excluding those in the Territorial Districts, many of which are unorganized, is 44 per cent., while of these 92 per cent. report that they receive the fees in accordance with the statutory provision, 8 per cent. only, not receiving the fee.

It is difficult to form any accurate idea of what the proportion of those who receive fees is, in the municipalities not reported upon. It is a fair inference, however, that where a Division Registrar has neglected to make a reply to a circular dealing with so important a matter, he is not always of this class most careful in his attention to this registration work. The fact, however, that the Division-Registrar is paid for every registration, in addition to the fact that in all township municipalities, the assessors are required to collect information regarding births and deaths during the year, further make it a fair inference that the returns from these municipalities where the salary is not commuted, are more nearly complete than in the large centres.

It is quite evident, however, from the replies given in some instances, that where the salary of a town or city clerk has gradually grown to what may be called a living wage, the tendency appears to be to commute salaries no matter what extra duties are imposed upon the clerks by the Legislature. In order to in some degree accurately estimate the effect of these influences upon the returns, but especially upon the birth rate since it is the collection of birth returns which demands persistent endeavors on the part of the Division Registrars, the following table is prepared of births in cities during the last 10 years.

*Table showing Number of Births in Cities in Ontario from 1889 to 1898.*  
(From Assessors' Returns).

	Pop. 1889	Pop. 1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898
Toronto .....	139,452	186,517	4,946	4,774	4,739	4,436	4,153	4,210	4,131	4,246	4,078	4,122
Hamilton .....	44,299	51,011	1,130	1,036	1,176	752	1,109	1,028	1,086	1,128	969	1,102
Ottawa .....	41,000	55,386	1,726	1,908	802	729	1,089	884	888	1,198	1,273	1,344
London .....	26,786	38,575	568	516	605	616	604	573	574	599	552	622
Kingston .....	18,284	18,350	633	511	453	432	423	297	295	335	356	354
Brantford .....	13,384	18,009	349	330	331	350	349	314	370	340	408	387
St. Thomas .....	10,468	11,156	264	204	228	216	240	228	205	220	221	151
Guelph .....	10,413	10,892	262	204	235	237	249	240	228	240	259	240
St. Catharines ..	10,080	10,274	146	141	131	144	126	152	130	159	200	151
Belleville .....	10,105	10,183	213	185	157	154	146	142	148	143	151	161
Stratford .....	9,404	10,369	202	204	197	165	176	178	174	159	134	164
Windsor .....	9,041	11,334	240	181	269	252	303	256	243	257	237	224
Chatham .....	8,278	8,923	140	116	151	139	147	161	110	165	199	151
Total for each year	350,934	440,979	10,819	10,410	9,474	8,622	9,114	8,634	8,582	9,189	9,687	9,211

The broad fact is set forth in this table showing that over a period of ten years in population estimated in the census year 1891 at 407,058 (or 395,229 by municipal returns), and during which ten year period the yearly municipal enumeration has shown an increase of 17.37 per cent., there has been an absolute decrease of births in the 11 cities from 10,819 in 1889 to 9,211 in 1898, or a difference of 1,608. Some of the cities show such marked variations in different years as in the case of Ottawa in 1889 and 1899, that it is evident some irregularity of registration from the normal existed.

Had the rate of increase of registrations from 1889 to 1898 been the same as that in population for the same period, 12,709 births would have been registered in 1898 instead of 9,211. If, however, the figures for different cities be examined it is apparent that no variation in the average yearly increase of population adequately explains such discrepancies as appear from year to year. While in two or three instances cities show an actual decrease in population of one or two hundred, yet the returns of births — as in



the case of Kingston — show such marked variations that we can only conclude that imperfect registration can account for such discrepancies. An enquiry into the particulars regarding the several cities gives us certain information of interest. Thus in Ottawa, Kingston, Brantford, Chatham, and St. Thomas, the Division Registrar has been changed during this period with results which in one or two instances may be seen in the returns. The tables show that in 11 instances the Division Registrars (Municipal Clerks) are paid specially for each return, and it may be supposed that their returns would be complete. That they are not so may be fairly inferred from the notable differences in different cities where populations have increased during the period.

Thus St. Thomas with an increase during the ten years of 613, shows a decline in the birth rate of 106 in the period: that is, the rate was 67 per cent higher in 1889 than in 1898. Again Kingston with a practically stationary population, has 279 of a decrease in 1898 as compared with 1889, the rate being 79 per cent higher in 1889 than in 1898.

In both these cities the Division-Registrar has changed during the period. In two other cities where the Registrars have not changed, St. Catharines and Stratford, the returns show no notable variations from year to year, yet the rate throughout the whole period is so much below the general average that only one conclusion is possible, viz; that a chronic neglect to obtain complete returns is apparent. Thus in St. Catharines there were but two years in the ten year period during which the deaths did exceed the births, these two being the first two years under the new Act, that of 1896. Perhaps, however, there is no better illustration of defective registration of births than in the city of Toronto. No change has taken place in the occupant of the office of Division-Registrar during this ten year period, and the population has increased by 47,065, according to the municipal returns. In spite of this fact, however, the births show an absolute decrease of 824, or there were 20 per cent more births reported in 1889 than in 1898. If, however, the population according to municipal returns be taken into the calculation, viz: an increase from 139,452 in 1889, to 186,517 in 1898, then had the rate in 1889 been maintained, there would have been 6615 births registered in 1898. In other words a relative decrease of 64 per cent has occurred in the birth rate of Toronto during the last ten years.

Such then is the situation of the statistics of births in our cities three years after the passage by the Legislature of the Act of 1896, which provides that Division-Registrars "shall use all available means to obtain the necessary information hereinafter required in this Act," and shall be paid 20c. for each return by the municipality; which further states that the parent or guardian of every child born in this Province, "or if there is no such person, then the nurse or midwife present at the birth" shall within thirty days from the date of the birth give notice to the Division-Registrar of such birth; while the Act further provides, "It shall be the duty of every qualified medical practitioner attending at the birth of any child born within this Province, to give notice thereof forthwith to the Division Registrar of the division in which the child was born."

Further comment on these results seems unnecessary. Until the Registrar-General is supplied by the city municipalities with returns approaching completeness, it is useless to attempt to draw any conclusions as to the causes of decreasing birth rates, or for the public to expect to find in the future in the Registrar-Generals Department records of returns which have never been made. What this means may be gathered from the fact that during 1899 there were 321 searches for births said to have occurred within the previous 30 years since the Registration Act was passed. Of these 321 searches, 96 were found not to be on record. It seems therefore, in case this number of searches of births occurring over this 30 year period should represent a fair average of registration, that a percentage of omissions amounting to 30 per cent has occurred throughout the period.

The remedy for this existing state of affairs is clearly indicated in the results of present methods. Wherever adequate payment for the work done, exists, the returns are relatively complete; and no payment to a city clerk of a single salary covering all duties laid upon him, has ever served to create in him such enthusiasm for collecting statistics as to make his returns complete. The authority which the Registrar-General of England exercises, of filling vacancies or replacing a Division-Registrar when his work has proved to be incomplete and unsatisfactory, seems to be demanded by the situation as it has been illustrated in the preceding study.

## Marriages.

The total marriages recorded in 1898 in 777 municipalities and returned to the Registrar-General, were 15,375 as compared with 15,293 in 1897. This gives a marriage rate of 6.7 for the Province, or 0.1 less per 1,000 population than in 1897, its rate having been 6.8. Of the counties, 17 show an increase, while 26 show a decrease as compared with 22 which showed an increase in 1897. There seems to have been no general rule governing the increases and decreases as compared with the previous year. Thus, Carleton in 1897, showed a decrease of 19, and in 1898 an increase of 1; Essex, in 1897, showed a decrease of 52, and in 1898 an increase of 147. This latter rate of course, as mentioned in previous reports, is largely influenced by marriages of persons from the United States. An interesting series of increases is seen in a group of counties in Eastern Ontario, viz., Lanark, 51; Lennox and Addington, 17; Peterborough, 32; Prescott and Russell, 60; and Stormont and Glengarry, 20. An equally important group of decreases is seen in Western Ontario, viz., in Elgin, 36; Kent, 12; Lambton, 23; Middlesex, 69; Norfolk, 33; Oxford, 10; Lincoln, 38 and Welland, 20. Thus, with the single exception of Brant, with the small increase of 29, every county in the double tier of counties along Lake Erie, showed a decrease in the marriage rate amounting to a total of 261. A similar but less notable decline in the rate is seen to have occurred in Huron, with 63; in Bruce, 9, and in Simcoe, 11.

This decline, especially in the Lake Erie counties, seems to be general in regard to marriages; these having hitherto been assumed to be fairly well returned, and to be still more complete, since the amendment to the Marriage Act in 1897, requiring license issuers to forward to the Registrar-General copies of all licenses issued by them. No explanation of this uniform decrease, except on the supposition of alterations in the movement of populations, especially in rural districts, and therewith a variation in the age period of the resident inhabitants seems possible. The variation in the population of districts by age periods, has been frequently referred to in the reports of the Registrar-General of England, as affecting directly the marriage as well as the birth and death rates. In addition to this, however, it would appear that this decline in the marriage rate in Ontario is associated with a distinct tendency to delay marriage. As was stated in the Report for 1897:—

“Taken in conjunction with the following table of percentages of marriages in the several life periods by counties, this table affords evidence similar to that in other countries, that there is a distinct tendency to delay marriage; which means, necessarily that the proportion of marriageable persons in any community decreases with each semi-decade, and bears a close relationship to the question of a decreasing birth-rate.”

**MARRIAGES IN CITIES.**—The total marriages recorded in 1898 in the thirteen cities of Ontario, with a population of 441,360 was 4 589, or a total of 381 over 1897. The increases occurred principally in Toronto, with 195; Ottawa, with 118; and Windsor, with 90. Several cities showed a decrease, London having 30; Kingston, 40; St. Thomas, 7; Guelph, 23, and St. Catharines, 22. If these increases and decreases be compared with the population increase in 10 years, as shown in the table of births in cities on page 30, it will be seen that the cities with a decreased marriage rate, are cities with a practically stationary population during the period, and hence the law regarding age distribution of population becomes applicable as possibly explaining such decreases. There is reason, however, to believe that the causes which have been shown to produce defective birth returns, have been operative to some extent in the case of marriages as well. Thus London which showed a decrease of marriages in 1897 of 177, shows a further decrease of 30 in 1898; but by a recently received return for 1899, it shows an increase over 1898 of 71, or a total of 360 marriages for the year. It is interesting to note that the Registrar of London received for the first time fees for the work done in 1899.

As in former Reports it will be noted that the marriage rate in cities, as seen in table 2, is high as compared with the general rate, it being 10.3 per 1,000. If the anomalous rate in Windsor be separated from the balance of the cities, the marriage rate in cities may be considered as 9.0. While it is true that this rate should properly be further reduced by a percentage of non-residents who have gone to be married in neighboring cities, there is, however, as seen in all growing populations, the tendency for the



marriage rate to be higher in cities than in the more stationary rural districts and villages. Apart from these causes for variations from the average rate, there is the question of completeness of returns. An illustration, that of London, has been given of how every class of persons responsible for making returns is lax in reporting, in proportion to the indifference of the registrar; hence we are unable to believe that all clergymen systematically make returns of marriages celebrated by them. This supposition is proven by the results of a prolonged search for records of marriages for which licenses returned by the Registrar-General, were granted in 1897. The Registrar-General received during the year 12,153 marriage license cards from the various issuers and deputy issuers throughout the Province. After allowing a delay of six months so that all clergymen, registrars and issuers might send in their respective returns, a comparison was made of the licenses with the lists of marriages returned, with the result that 1,980 were found not to have been recorded in the municipalities where the licenses were issued. The Registrar-General thereupon issued a circular letter to each Division Registrar, giving the names of persons for whom a marriage license had been issued, but whose names did not appear in the marriage returns, and asked that enquiry and a reply regarding the matter be promptly made.

Much correspondence with license issuers, clergymen and others, resulted from this circular, explaining in many instances why certain marriages had not been returned. A common reply from clergymen was that the matter had been overlooked or forgotten; in a few instances the reply was that the lady had changed her mind before the ceremony was performed; while a still commoner reply was that the license was issued in one municipality, while the marriage had been celebrated in another.

It was a fairly satisfactory result of such a tedious search that the Registrar-General should have succeeded in obtaining 490 marriages, the recording of which would not have otherwise occurred. This amounted to 3 per cent. of the total marriages recorded. The work for 1898 is yet incomplete, but as a result of enquiries in nine counties, with the despatch of 104 letters respecting 248 marriages, 40 replies have been received regarding 72 marriages. To show how difficult it is to obtain complete statistics of this character, it may be mentioned that 35 returns of marriage licenses issued were made to the department from Frontenac in 1898 for which no corresponding marriages are found on record. These omissions occurred in nine municipalities; letters were sent to the registrars of each. Only three replies, covering eight marriages, were received, resulting in three marriages having been found recorded in some other municipality.

**DISTRIBUTION OF MARRIAGES.**—The distribution of marriages by months becomes a matter of some interest in connection with accuracy of returns. In 1898 as in other years, the month of December shows a large number of marriages to have taken place, being one-tenth of the total for the year. As the Act gives thirty days as the time for making a return, it is plain that a certain number of marriages celebrated in 1898 could be registered in 1899. The month of June, 1898, as in 1897, has fallen to second place, June returning the highest number of marriages in any month, it being 1,741; while May, as in several past years, returns 897, or the lowest in the year.

The relative number of persons by denominations who were married in 1898 will be found in table 8. This relative number is practically the same as for many years past.

### Deaths.

The total number of deaths recorded in Ontario in 1898 was 26,370, as compared with 27,633 in 1897, being a decrease of 1,263. On a basis of population seen in table 1 this gives a death-rate of 11.5 per 1,000 or a reduction of 0.7 per 1,000 as compared with 1897. Of the 44 counties 12 only show an increase, while 32 show a decrease. Of those showing any notable increase, we have Perth with 77, Wentworth 87, Peterborough 30, Grey 35, and Dufferin 31. Of the decreases the principal are York with 100, of which 256 occurred in Toronto, Renfrew 145, Prescott and Russell 139, Huron 9, Bruce 67, Middlesex 63, Norfolk 52, and Stormont, Dundas and Glengarry 95.

There is reason to believe that the death returns are in a large measure complete, owing to the stringent laws against burial without a permit. It is gratifying to know that there is no county showing a great increase. Some instances may exist of an in-



crease due to improved registration, but a close examination of the table of deaths from different diseases may serve to explain an abnormal increase, owing to there having been an outbreak, as of diphtheria during the year.

The death-rate must be considered as showing an extremely satisfactory condition of the public health, especially in the matter of preventable diseases. That it is especially so to this class of diseases that the reduction is due is seen in the fact that while in 1897 the death rate from small-pox, scarlatina, diphtheria, measles, whooping cough and typhoid caused 6 per cent. of the total deaths, this rate in 1898 was reduced to 5 per cent. of the total deaths. Or while the total reduction of deaths was 0.45 per 1,000 in 1898 as compared with 1897, the reduction caused by the decrease in preventable diseases is shown to have been 22 per cent. of this reduction, while in 1897 this class produced but 6 per cent. of the total reduction.

The distribution of deaths by Counties in 1898, as regards the rate per 1,000, shows much the same condition as in the several past years. Thus of the group of counties along Lake Huron and on the central plateau, viz—Bruce, Grey, Wellington, Halton and Perth,—all but Perth show a death-rate below 10 per 1,000. Further, it may be stated that the counties of Lincoln and Welland, with their clay lands and lower levels again show a higher rate, but with a definite decline of 1.9 and 1.5 respectively per 1,000. The St. Lawrence counties of Stormont, Dundas and Glengarry, Leeds and Grenville similarly maintain their higher rate. They, however, likewise show a reduction of 1.4 in the first, while the latter is practically the same as in 1897. The seemingly high death rates in Algoma, Nipissing and Thunder Bay, as referred to in 1897, are accounted for by the irregular distribution of the recently increased mining population, shifting from year to year.

**DEATHS IN CITIES**—In table 2 on page 30 will be found the death-rate for cities. The total deaths for 1898 was 6,894, as compared with 7,177 in 1897 and gave a death rate from all causes of 15.6, or a decrease of 0.8 per 1,000. Inasmuch as the population increases of the cities for the past decade, according to municipal returns, was 25.6 per cent., or 2.5 per cent. of an increase per annum, this reduction of the death-rate is gratifying. Four cities show a slight increase, viz—Hamilton with 73, London with 11, Guelph with 25, St. Catharines with 7, and Stratford with 17; while 8 cities show a decrease, these being Toronto 256, Ottawa 21, Kingston 6, Brantford 29, St. Thomas 40, Belleville 38, Windsor 11, Chatham 19. These results compare favorably with the progress made in the cities of other progressive countries. The following are the death rates for certain other cities in 1898:

Montreal.....	per 1,000.	London, Eng.....	18.7	per 1,000
Halifax.....	"	Manchester, Eng.....	21.9	"
St. John.....	14.9	Boston, Mass.....	20.6	"
Winnipeg.....	12.1	Lowell, ".....	20.4	"
Vancouver.....	11.9	Providence, R.I.....	19.9	"
Leeds, Eng.....	19.3	Pittsburg, Pa.....	16.5	"
Birmingham, Eng.....	20.0	Buffalo, N.Y.....	12.88	"
Glasgow, Scot.....	21.2	Rochester, N.Y.....	12.32	"
Edinburgh, Scot.....	19.7	Albany, N.Y.....	20.1	"
Dublin, Ireland.....	26.8			

**DEATHS BY CLASSES OF DISEASE.**—In the adoption of the Bertillon system of classification of diseases, we are able to make for the first time a comparison with Michigan the only other State or Province which has published its returns for 1898 according to this classification. A comparison with a State situated geographically so similarly to Ontario, as Michigan is, with a climate and soil so alike, and a population composed of much the same elements, distributed as regard urban and rural population in much the same percentage, is of extreme interest and importance. The population for Michigan in 1898, is given at 2,353,855 calculated on an arbitrary basis, which, applied in Ontario, would bring the two populations to very nearly the same number.

The total deaths recorded in Michigan for 1898 were 29,474, giving an average death rate of 12.52 per 1,000.

Regarding the several groups, that of *Communicable Diseases*, including all those except tuberculosis, dealt with under the Public Health Act is of interest. The total for Ontario is 1,709, while the group in Michigan gives a total of 2,015, or 0.85 compared

with 0.75 per 1,000 in Ontario. The succeeding group of other *general diseases* which includes tuberculosis, gives 5,213 in Ontario as compared with 5,166 in Michigan. This is to some degree due to the inclusion of all deaths from marasmus, atrophy and anaemia, under one year of age, with tuberculosis in the Ontario returns. This total amounted to 311.

Of Diseases of the *Nervous System*, Michigan shews 3,963, as compared with 3,197, or a difference of .28 per 1,000.

Of *Diseases of Circulation*, Ontario shows 1,851, as compared with 2,540 in Michigan, or 0.81 as compared with 1.07.

Of the *Diseases of the Respiratory System*, the Ontario returns show 2,715 as compared with 3,236 or less by 0.18 per 1,000.

Of the Diseases of the *Digestive System*, Ontario gives 2,820 as compared with 4,106, a very notable difference in favor of Ontario, it being 0.51 per 1,000.

Of *Diseases of the Genito-urinary* class, the deaths in Ontario were 840 as compared with 1,452 in Michigan, or a difference of 0.24 per 1,000.

Of *Diseases of the Puerperal* class, the totals in Ontario were 245 as compared with 387 in Michigan, or more than one third less.

Of the group which includes *malformations, diseases of infants and diseases of old age*, the total in Ontario is 5,745 as compared with 1,960 in Michigan.

In this respect the Michigan returns show a noted improvement over the Ontario returns, and indicate a much greater accuracy in the return of causes of deaths, and hence of the classification of disease under the several special classes. In the Ontario returns, 2,915 of the total under this class occur under one year, and 2,763 over 70 years; while in Michigan, but 1,171 are given under one year, and 657 under senile debility.

It may further be stated that the notable difference in *Diseases of Circulation* in these reports may be due to heart failure in the Ontario returns occurring in persons over 70 having been placed in the class of diseases of old age. Under the *division of violence, including suicides and accidents* the Ontario returns give 1,091 as compared with 1,677.

Under the final classes of *Causes ill-defined*, Ontario has 850 as compared with 1,347 in Michigan.

DEATHS FROM SPECIAL DISEASES.—The diseases of the *Communicable Class* of greatest interest are given in the following comparative table.

*Table of Deaths from Communicable Diseases.*

Year.	County.	Smallpox.	Scarlatina.	Diphtheria.	Measles.	Whooping-cough.	Typhoid.	Malaria.
1897.....	Ontario .....	.....	169	976	80	167	355	38
1898.....	Ontario .....	.....	222	634	115	126	405	25
1898.....	Michigan.....	1	91	456	131	282	499	73
1897.....	New Jersey .....	.....	203	1,382	156	321	478	132
1897.....	New York .....	27	815	4,310	860	850	1,325	400
1898.....	Minnesota .....	.....	31	182	Not returned	Not returned	255	Not returned

Compared with other areas of the continent in northern latitudes, that of the two land areas largely enclosed by the Great Lakes, viz., Ontario and Michigan, are seen to compare most favorably with the States of the Atlantic seaboard, as will be seen from the death-rates in New Jersey and New York. That the decline in the death-rate is not accidental but is due largely to the decline of communicable diseases—measles and whooping cough—is seen in remarks already made regarding deaths by counties.

The influence of climate and habits of life upon the mortality from communicable diseases is interesting, as seen in comparing deaths in Ontario with those in Scotland, the Argentine Republic, Cape Colony, and Jamaica. The population of the Argentine is distributed over 230,000 square miles, with an urban population of 362,082, and a rural population of 559,095. Adopting the census population of 1890 for calculation in the Argentine the following table is given.



Comparative Table of Deaths in Different Countries.

	Smallpox.	Whooping cough.	Diphtheria and croup.	Typhoid.	Tuberculosis.	Anthrax
Ontario .....1898		0.05	0.27	0.17	1.4	
Scotland .....1898	.002	0.43	0.63	0.90	0.94	
					(Phthisis only.)	
Argentine Republic ..1898	0.3	0.2	0.3	0.5	1.8	36 cases.
Cape Colony ... ..1898	0.03	0.8	0.3	0.5	1.6	
Jamaica.....1898		0.18			1.6	

In the latter two countries the distinction between the coloured population and the whites is of great importance in estimating the relative healthfulness of climate.

MEASLES AND WHOOPING COUGH.—Measles show a mortality of 115, as compared with 80 in 1897; while whooping cough has decreased from 163 to 126. The type of both diseases would seem to be essentially mild as compared with that in Great Britain, where the rate in the great towns of Scotland was for measles and whooping cough respectively in 1897, 0.339 and 0.43 per 1,000.

DIPHTHERIA.—The total deaths from diphtheria and croup in 1898 were 634, as compared with 976 in 1897. There is no disease in which the progress of Preventive medicine has been more marked than in diphtheria during the past ten years. The following table of deaths in Ontario in successive years is illustrative:—

Table showing Deaths from Diphtheria and Croup in Ontario.

1887.....	1,786	1893.....	1,04
1888.....	1,489	1894.....	1,07
1889.....	1,101	1895.....	94
1890.....	893	1896.....	92
1891.....	955	1897.....	97
1892.....	890	1898.....	63

The remarkable falling off so pronounced in 1898 must doubtless be due to various influences, amongst which primarily may be placed the greatly increased knowledge amongst the people of its extremely contagious character, and the greater activity of the Local Boards of Health in suppressing outbreaks; secondly, to the seasonal influences peculiar to the year 1898; but especially to the greatly increased use by physicians of antitoxin, both in a curative and a preventive way. Comparisons with other states and countries have been made in previous tables, but the following reductions in deaths since 1884 in the various cities will especially illustrate the decrease due to the last cause, since the use of antitoxin in America only began with 1895, while in France and Germany it was much used in 1894:—

City.	1894.	1895.	1896.	1897.	1898.
New York.....	2,258	1,634	1,555	1,377	992
Boston.....	817	588	516	411	170
Chicago.....	841	1,775	955	702	622
Paris, France.....	1,109	421	444	298	259
Cities of Massachusetts, including Boston (pop. 1,611,780).....	1,376	1,484	1,348	1,107	507
Berlin, Germany.....	1,361	934	515	507	608
London, Eng.....	2,670	2,316	2,683	2,263	1,772
Toronto.....	110	147	132	151	63
Hamilton.....	72	11	14	19	22
Ottawa.....	124	78	41	44	32
London.....	48	9	10	20	11
Kingston.....	5	25	21	12	3
Brantford.....	10	18	10	8	2
St. Thomas.....	1	8	19	12	3
Chatham.....	12	5	4	1	2



**TUBERCULOSIS.**—This disease shows a total of 3,291, as compared with 3,154 in 1897 and a death rate per 1,000 of 1.4.

As was stated in the report of 1897, the total deaths had then for the first time exceeded 3,000, and it was pointed out that a certain increase had been caused by placing atrophy and other wasting diseases of infancy under tuberculosis. The total deaths from tuberculosis or any of these found in the special tables under 10 years, is 587, so that there seems no doubt but that the total deaths from tuberculosis have increased. Indeed the monthly returns for 1899 gave for phthisis alone, 2,315 for a population of 97 per cent. of the whole Province.

*Deaths from Consumption by age periods, Counties, 1898.*

Counties.	Males.	Females.	Under 10	10-19	20-29	30-39	40-49	50-59	60-69	Over 70	Totals.
Algoma	14	13	3	4	9	5	2	2	2	.....	27
Brampton	20	21	10	6	8	5	4	2	3	3	41
Burlington	42	40	11	12	22	19	3	6	6	3	82
Cambridge	99	105	32	29	67	42	13	11	9	1	204
Chatham	14	14	5	1	10	4	3	2	2	1	28
Chatham	28	30	6	8	17	8	6	9	2	1	58
Chatham	27	48	12	10	19	9	14	7	3	1	75
Chatham	44	48	8	6	23	26	13	6	8	2	92
Chatham	39	51	10	8	28	23	9	8	4	.....	90
Chatham	9	16	2	5	3	4	5	2	3	1	25
Chatham	12	12	6	1	10	2	3	.....	1	1	24
Chatham	4	3	1	.....	.....	2	4	.....	.....	.....	7
Chatham	32	46	8	12	18	12	12	6	6	4	78
Chatham	32	45	15	6	22	16	7	5	5	1	77
Chatham	40	48	10	14	26	20	10	3	3	2	88
Chatham	32	30	6	3	19	13	10	4	4	3	62
Chatham	30	31	8	4	23	9	5	7	2	3	61
Chatham	63	69	20	20	33	24	14	15	3	3	132
Chatham	19	19	7	5	12	7	3	3	.....	1	38
Chatham	25	22	6	4	11	13	5	2	4	2	47
Chatham	69	66	28	17	34	19	14	13	7	3	135
Chatham	10	9	3	2	6	6	1	1	.....	.....	19
Chatham	10	13	6	4	5	1	1	1	2	.....	23
Chatham	13	23	8	3	9	9	.....	2	2	2	36
Chatham	47	50	21	7	30	18	12	6	3	.....	97
Chatham	30	37	11	7	19	15	6	5	2	2	67
Chatham	37	35	9	7	21	13	9	5	8	.....	72
Chatham	15	17	6	4	6	4	4	4	2	2	32
Chatham	13	22	3	4	8	4	10	3	1	2	35
Chatham	50	46	17	5	27	17	13	9	7	1	96
Chatham	37	32	13	8	19	11	9	1	5	3	69
Chatham	26	33	6	8	24	5	5	3	4	4	59
Chatham	10	14	1	5	4	5	5	2	2	.....	24
Chatham	4	11	5	2	3	.....	4	.....	1	.....	15
Chatham	14	34	1	17	10	13	3	1	2	1	48
Chatham	36	69	9	13	36	23	15	3	3	3	105
Chatham	47	69	10	14	39	22	15	5	7	4	116
Chatham	5	2	.....	1	3	.....	2	.....	1	.....	7
Chatham	20	30	8	10	11	10	3	2	4	2	50
Chatham	22	24	7	6	5	8	5	3	1	1	36
Chatham	21	32	13	5	12	5	10	5	2	1	53
Chatham	33	34	10	7	17	13	8	1	7	4	67
Chatham	71	69	32	13	34	29	15	5	7	5	140
Chatham	278	276	174	53	123	96	56	29	15	8	554
	1,543	1,748	587	380	885	609	373	209	166	82	3,291

The distribution of the disease by counties illustrates a peculiarity of phthisis, viz., that it shows, owing to its widespread and chronic character, both the great permanency of local conditions, such as undrained soils and old houses where previous cases have been, as well as the continued residence of the same families in the best-settled fertile agricultural sections of the Province, members of which may have

previously have died of the disease. This may be illustrated by the following table, giving the deaths for ten years in the County of Huron, in which the numbers persons dying, having the same family name are set by number.

Total deaths in Huron County from Tuberculosis in 1889-1898—633.

Total family names occurring more than once, 115 or 18.1 per cent.

Total persons dying whose names are those which occurred more than once, 208 47 per cent.

Total times repeated names occur on average, 2.6.

Family names repeated :—

60	names twice.
25	" three.
10	" four.
2	" five.
6	" six.
1	" eight.
1	" nine.

This is evidence next in value to an actual house to house census, such as that made New York City in 1886 ; a kind of evidence of supreme value in estimating the causes the increase of the disease.

That it is in the more newly settled areas of the Province that the lower mortality prevails, due probably to the causes indicated above, is seen roughly in the following table giving by census years the mortality in several groups of counties in the Province.

*Table showing deaths from Tuberculosis in certain Counties in 1871 and 1898, with Population, illustrating periods of permanent settlement.*

County.	Year.	Population.	Death rate.
Brant .....	1871	32,259	1.0
	1898	39,109	1.0
Welland .....	1871	25,761	1.5
	1898	32,369	1.1
Leeds and Grenville .....	1871	57,918	1.22
	1898	65,339	2.0
Prince Edward.....	1871	20,336	1.0
	1898	20,565	1.2
Huron .....	1871	66,165	0.54
	1898	91,664	1.0
Bruce .....	1871	48,515	0.20
	1898	69,328	1.2
Simcoe .....	1871	61,248	0.40
	1898	76,974	1.4
Waterloo .....	1871	40,251	1.5
	1898	54,168	1.0
Oxford .....	1871	48,247	0.93
	1898	53,493	1.35
Middlesex .....	1871	83,595	0.6
	1898	109,417	1.25
Norfolk .....	1871	30,763	1.20
	1898	33,256	1.10

DEATHS IN CITIES.—The total deaths in the cities from tuberculosis are seen in the following table to have increased in absolute numbers during the ten year period by 40 per cent. Whether this represents an actual increase depends, however, on the relative completeness of returns in the earlier years of the period, with the inclusion of death under one year in the returns for 1898. An additional allowance must be made for an increased population, estimated at 25.6 per cent in the ten years.

## Deaths from Tuberculosis by Cities, 1889 to 1898.

	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.
Oronto.....	303	387	480	477	512	442	430	442	467	483
Hamilton.....	80	88	90	73	88	80	104	100	83	109
Kawartha.....	102	106	53	80	111	98	91	109	134	148
London.....	27	38	52	43	42	54	51	61	52	64
Northampton.....	51	39	42	39	35	33	27	41	54	45
Oranmore.....	18	15	22	26	32	19	26	31	25	23
Thomas.....	11	12	15	13	9	12	15	19	17	13
Wexford.....	11	8	10	16	23	17	15	15	14	21
Catharines.....	26	27	12	27	18	23	21	17	15	21
Elmvale.....	25	16	14	25	17	13	24	11	20	15
Oranmore.....	15	16	8	9	11	16	8	12	13	19
Oranmore.....	16	16	28	13	17	21	21	21	17	23
Oranmore.....	16	22	17	11	14	13	7	18	12	14
Total.....	701	790	792	852	929	841	840	897	923	998

There certainly has been no decrease in Ontario such as has marked the cities of Great Britain during the past thirty years, which have made in spite of their enormous populations, such great advances in the problem of the housing of the poorer classes. As yet no systematic steps have been taken by local boards in the cities of Ontario to maintain supervision of houses where consumptives are resident, nor to disinfect the premises after death.

DEATHS FROM TUBERCULOSIS BY OCCUPATIONS.—An attempt has been made to classify, with all the accuracy possible, the deaths from consumption by occupations in counties. See table 16, p. 48).

The table is of further interest as showing the distribution of population in different counties varying greatly in its proportions in urban and rural districts. A glance at the table makes it at once plain that a number of occupations, or persons in certain social positions in life, supply a large proportion of the deaths.

That there are notable variations in the distribution of population as regards both age and sex in different municipalities, may be illustrated by the following, showing the number of deaths by age and sex in Huron county in 1898. The returns show 72 deaths due to tuberculosis, and arranged as above, they are:

Age	(Under 10)	(10-19)	(20-29)	(30-39)	(40-49)	(50-59)	(60-70)	Total.
Male.	1	4	5	5	4	3	4	26
Female.	3	9	17	9	3	3	2	46

The first notable fact here seen is that there are practically two deaths of females for every one male. Further, the preponderance of females beginning in the 10-14 year period, is maintained until child-bearing has practically ceased at 40 years. Making allowance for the migration from a county largely rural of a portion of the male population, there would seem, however, to exist some other specially potent cause, such as more constant indoor life, possibly in an already infected house, to account for this relatively great preponderance of female deaths. In table 16 it will be further seen that the second largest total is that of farmers, 354—the largest being that of housewives, 693. If from the class of housewives we select an equal number of deaths of females as of males belonging to the farming class, we have 708, or more than 21 per cent. of the total deaths are farmers or farmers' wives. Hence, taking a probable estimate of the number of farmers and farmers' wives in Ontario, the rate in this class stands high, being probably nearly 1.5 per 1,000. Under the class children, there are 11 deaths, and allowing for a proportion of those with occupations not given, this will include those set down in the table according to ages as dying up to ten years, or 587 in all. The next highest class is that of laborers, the deaths being 193. Under the heading of spinsters is necessarily classed a large number of women of marriageable age; hence in the table by ages the total deaths between 20 and 40 are 1,494, which includes persons of both sexes, married and single. A further proportion are included in the period between 15 and 20 years. The next highest class is servants, being 51, most of whom are naturally females. Of the large class under the heading of clerks, there appear 42 deaths, which is, however, almost equalled by students, their number being 42. Pro-



portionately to their total number, the deaths in this class with sedentary life would appear highest of all.

Amongst the occupations of those showing relatively the highest mortality, are those of school teachers and painters. The total teachers in the public and separate schools of Ontario was in 1899, 9,209, so that the death rate is 2.17 per 1,000. Remembering the chronic nature of this disease and the fact that many teachers continue at their duty for months while in failing health, we see that such a mortality has a direct bearing upon the health of the school children.

The figures are not available regarding the total printers employed in Ontario, but the fact would appear that 20 of a mortality is very large compared with most other occupations for the number employed. Perhaps, however, the mortality amongst barbers is even greater proportionately to the number employed, there being 16 in a class. The fact of this class, like teachers, coming into close contact with other persons, and handling cutting tools which may be infected from sputum, while, as often is the case, many abrasions of the skin are made by them, becomes so important a matter that it would seem to demand some method of dealing with the danger.

### Tabular Statement of Returns and of Correspondence in 1899.

Receipt of schedules containing Annual Records and certificates for same .....	750 Division Registrars	
	27 District Registrars	
Returns for 1898, indexed and compared .....	Births, 46,5	
	Marriages, 30,7	
	Deaths, 26,3	
Receipt and filing of Marriage Licenses .....		13,9
Issued to Division Registrars :		
Blanks for returns, Forms A, B, C		
Form B (Burial Permits)		
Form D (For Licenses)		
Blanks for Cemetery Returns .....		194,5
Permits, by letter, to register Marriages, not received in former years .....	137	{ B, M, D,
Application for Searches of Records for Births .....		38
Marriages .....		1
Deaths .....		37
Certificates issued for Record— Births .....		10
Marriages .....		7
Deaths .....		12
Total fees received for 755 searches .....		\$188.7
400 certificates .....		\$200.0
Registration in Supplementary Index of returns not previously recorded in their proper year .....		
	Births, 1,2	
	Marriages, 30	
	Deaths, 5	
Comparison of Marriage License Returns received with Marriages recorded by local registrars .....		12,15
Marriages (for which license was issued) not found in the municipality where license was issued .....		1,98
" " " found registered in other municipality .....		1,49
" of persons (3 per cent. of whole) found by correspondence .....		98
Number of letters received and filed in 1899 .....		1,90
" " written, sent out and filed .....		1,35
Comparison (not previously made at time of indexing) of indexes with Schedules for parts of 1889-1890 .....		79,02
All of which is respectfully submitted.		

PETER H. BRYCE,  
Deputy Registrar-General.

## Inspector's Report.

TORONTO, January 2nd, 1900.

TO THE HONOURABLE J. R. STRATTON

*Registrar General of Ontario :*

SIR,—I have the honor to report that during the past year I visited for purposes of inspection the Division Registrars of municipalities within the counties and districts of Algoma, Frontenac, Halton, Hastings, Huron, Lennox, Lincoln, Leeds & Grenville, Middlesex, Muskoka, Northumberland & Durham, Nipissing, Parry Sound, Thunder Bay, Rainy River, Peel, Perth, Simcoe, Stormont, Wentworth and York. The following summary of a number of places visited will give a fair idea of how the Registration Act is carried to effect throughout the Province.

In the City of London I find the physicians make scarcely any pretence of registering births, and few of them even obtain the cards necessary for the purpose from the Division Registrar. The returns are almost invariably made personally by some member of the household, and it is clear that many births take place which are not reported at all. In marriages the returns appear to be pretty complete, as the clergymen of the city as a rule are very careful in making their reports. As to deaths, the Division Registrar assures me he is satisfied he gets practically all the returns, but the death rate is so low that I question very much whether his opinion is correct.

The physicians are fairly good in sending reports of deaths to the Division Registrar, but scarcely ever to the Medical Health Officer, as the Act calls upon them to do. Undertakers claim to be very careful in refusing to bury without the necessary permit, but some undertakers of cemeteries will inter the body without even asking for the burial permit. London is typical of a great many municipalities in Ontario. The registers are well kept, the records are sent to this Department in excellent form and at regular stated intervals, and the Registrar is most anxious to have his returns as full as possible not only for the credit of the thing but that the fees may bring him a larger gratuity, but yet it is a self evident fact that the returns are not nearly complete. We now take the city of Stratford, and here I regret to say I cannot even compliment the Registrar upon the mechanical portion of his work, as his returns are not sent in until long after the close of each year; while as to births, which were recorded in 1898 as 159, I found by an actual canvass among the medical practitioners that they amounted to at least 90 more, and consequently the low birth rate of 15 per 1,000 as shown in the schedule was increased to at least 24. Here again the physicians have in the past given no help to the Registrar, but most of them have agreed to endeavor to carry out the Act in the future. Next year's report will tell how these promises have been kept. I am pleased to be able to state that, from information received from the undertakers, I find the number of deaths recorded are pretty nearly correct, which fact goes to prove that Stratford must be a very healthy city.

In St. Catharines we find the same trouble in regard to birth records, few of the physicians making any returns whatever, while I have every reason to believe that the death returns are as complete as they can be made. The Registrar is a most painstaking official, and yet we have the anomaly of his returns showing frequently a larger number of deaths than births.

In Hamilton, although the physicians again fail to make returns of births to any great extent, we find the birth rate to be a fairly large one, and in fact all the records seem to be pretty complete, as the Registrar appears to have the citizens well in hand in this respect, and they seem to have got into the right swing.

In Kingston the deaths appear to be very complete, but it is quite evident the births are not nearly all recorded, and here again a great many of the physicians appear to be utterly oblivious of the fact that upon them devolves the duty of making returns. The Division Registrar however reports a great improvement in this respect.

In the Town of Cornwall registration matters appear to be on a very satisfactory basis, and I am convinced the records are practically perfect, the ratio being high both in



births and deaths. Of course there being a considerable French-Canadian element among the population will account to some extent for this, but the Division Registrar has given a great deal of attention to the work, and has imbued all classes of the community, even the physicians, with the idea that the Registration Act is a reality and that its provisions should be carried out as fully as possible, and consequently his returns are thoroughly reliable.

In Brockville much the same result is obtained by the same means. The Division Registrar uses every means in his power to get complete returns, and his earnest endeavors in this respect meet with a ready response.

In these last two towns the physicians render very great assistance to the Registrar and consequently much fuller returns are obtained. In the neighboring town of Gananoque the reverse is the case, and the almost inevitable result follows: viz., much smaller returns.

We will now take a few towns in the north-western and northern districts of Ontario, beginning with Goderich, where the Division Registrar states that "the Doctors do not report births," and the result is the returns are very low, being only 1 per 1,000 population. On the contrary they are particular in making death returns and we find the ratio in this respect has increased in two years from 7.5 to 11.5. In Clinton much the same state of affairs exist, and the birth rate is stationary at 1 per 1,000 while the death rate is 11.5.

In Blyth the birth rate has fallen from 20 in 1896 to 10 in 1898, the death rate having in the meantime gone up from 8.5 to 10.

In Orillia town again we have the old story of no birth returns from physician and a decrease from 17.5 to 14 is recorded in two years, the death returns being much smaller than they should be as well.

In the rural municipalities, even to a greater extent than in the towns, much depends upon the individuality of the Division Registrar whether the returns are to be large or small, consequently the discrepancies between the different returns are very noticeable. In Pittsburgh township the birth rate is fairly high, being above 24 per 1000, while in Kingston township, immediately adjoining, the records show only 12.5. It seems scarcely possible that such a great difference should actually exist where the circumstances are so nearly alike. The death rate is practically the same in each municipality, being 14 in Kingston and 14.5 in Pittsburgh, which I should judge in both cases is pretty nearly correct.

In Caledon township the birth rate is low, being only 16 per thousand, though the Division Registrar thinks he gets nearly all the records; but his death returns show only 6.5 per 1,000, which is probably not one half of the actual occurrences. The fact of there being seven burying grounds in the township without caretakers probably accounts for many burials taking place without permits being obtained. This shows one of the many difficulties in the way of complete registration returns.

In Huron county East Wawanosh township shows the birth records to be 32 per 1000 in 1896 and 28 in 1898, while Morris township only claims 18.5 in the former year and 14 in the latter, evidently away under the actual reality. The deaths in both cases show an average of about 10.5, which, after careful enquiry, I am inclined to accept as about correct, as the returns from all the townships in that part of the country indicate a low death rate throughout the district.

In the newly settled parts of the Province known as New Ontario the returns are considerably higher than in the older sections, especially in respect to the birth records but I have no reason to think that it is on account of more complete registration. Wherever the French-Canadian element is much in evidence, and this is the case throughout Nipissing, Algoma, Thunder Bay and Rainy River Districts, the birth rate is invariably large. A few instances will suffice to show the truth of this statement. In Balfour township for 1898 the births returns showed 60 per thousand, in Hallam 50, in Salter and Wray 50, in Nairn and Hyman 60, in Rayside 40, in Bonfield 50, in Caldwell 50, in Ferris 50, in Mattawa 50, in McKim 50, in North Bay 50, in Papineau 40, in Springer 50, in Sturgeon Falls 50, and in Sudbury 50. Were it not for these high figures and the returns from Essex and Prescott and Russell counties the birth rate of the Province would indeed appear very small. Among the other municipalities in



ected were the following, viz: Toronto, Cobourg, Port Hope, Belleville, Napanee, Hope Township, North Fredericksburgh, Brampton, Sault Ste. Marie, Wingham, Orillia Township, Oro, Gravenhurst, Machar, Lount, Laurier, Port Arthur, Fort William, Liver, McIrvine, Alberton, Rat Portage, Keewatin, Turnberry, Wroxeter, Day Mills, Leebing, Schrieber, Mikado Mine, Regina Mine, Wabigoon, Dryden, Van Horne, Burlington, Toronto Junction, Weston, North Toronto and Etobicoke.

The following table shewing the birth and death returns from a few municipalities in each county of the Province, for the years 1893, '96 and '98 is well worthy of perusal as the eccentricities apparent upon its face, give a pretty fair indication that a great improvement must be made before our vital statistics can be looked upon as at all reliable.

	Births per 1,000.			Deaths per 1,000.		
	1893.	1896.	1898.	1893.	1896.	1898.
FRANKLIN.—Oakland .....	19.	14.	10.	20.	4.	10.
Brantford .....	22.5	20.5	23.	15.5	16.	13.
BRUCE.—Eastnor Tp .....	33.	45.	31.	5.5	17.	6.5
Walkerton .....	23.	21.	12.	14.5	10.	12.
Paisley .....	24.5	15.	8.	13.5	10.	5.
CHARLETON.—Gloucester .....	38.	36.	33.	21.	17.5	21.
Gower, North .....	6.5	13.	9.	2.5	7.5	12.5
Huntley .....	9.	31.	21.	3.	11.	9.
Hintonburg .....	—	54.	50.	—	25.	20.
CHAMPLAIN.—Garafraxa, E. ..	34.	20.	17.	11.	10.	8.
Orangeville .....	10.5	12.	9.5	13.	9.	8.5
Shelbourne .....	23.	21.	25.	9.	15.	16.
ELGIN.—Dorchester, S. ....	24.	23.5	18.	16.	8.5	9.
Dunwich .....	11.	11.	19.	5.5	8.5	16.
Aldborough .....	18.	18.	18.	9.5	7.	8.5
ESSEX.—Rochester .....	45.	46.	37.	16.	23.	17.
Windsor .....	30.	22.5	19.	18.5	14.5	13.
Essex .....	15.	17.	17.5	6.	12.	11.
FRONTENAC.—Bedford .....	33.	20.5	33.	15.	18.5	11.5
Kingston .....	18.	12.5	12.	6.5	12.5	14.
Storrington .....	13.5	25.	8.	8.	12.	9.
QUEEN.—Derby .....	27.	20.	25.	20.	14.	16.
Proton .....	33.	28	32.	13.	8.	10.5
Collingwood Tp. ....	13.	8.5	11.	4.5	8.5	10.
ALDRIMAND.—Rainham .....	27.	25.	25.	7.5	10.	15
Dunn .....	20.	15.	14.5	7.5	1.	20.
Cayuga .....	28.	22.	15.	20.	9.	6.
HALTON.—Milton .....	30.	25.	20.5	10.	16.	13.
Georgetown .....	14.5	22.	18.	8.	10.	13.
Oakville .....	22.5	15.5	20.5	11.	12.5	10.5
ASTINGS.—Madoc .....	8.	12.	8.	2.5	5.	3.
Monteagle .....	37.	40.	38.	7.	11.	9.5
Belleville .....	14.	13.5	16.5	15.	15.	15.5
Deseronto .....	26.	23.	35.5	10.	9.	12.5
BRUNTON.—Hullett .....	26.	24.	22.	13.	8.	10.
Ashfield .....	24.	25	16.	5.5	10.	10.
Goderich .....	14.	13.5	14.	5.5	7.5	11.5
CHATHAM.—Dover .....	36.	38.	36.	11.	10.5	14.5
Chatham .....	8.5	19.5	21.	4.5	9.6	11.5
Blenheim .....	25.	22.5	14.5	19.	9.	16.5

	Births per 1,000			Deaths per 1,000.		
	1893.	1896.	1898.	1893.	1896.	1898.
LAMBTON.—Euphemia .....	28.	18.5	19.	14.	5.	9.5
Sombra .....	12.	25.	20.5	6.	7.	22.
Watford .....	32.	20.5	18.	21.	16.	8
LENNOX.—Sheffield .....	30.	28.	21.	15.	12.5	16.
Richmond .....	5.5	13.	19.	6.	11.	16.
Fredericksburg, S.	9.	10.	7.5	4.	8.5	8.5
LINCOLN.—Caistor .....	26.	26.5	21.	9.	12.5	12.
St. Catharines ..	13.	16.	16.	17.5	13.5	17.
Niagara .....	18.5	15.5	20.5	7.	7.5	6.5
LANARK.—Lanark .....	30.	27.5	30.	15.	19.	9.
Smith's Falls ....	13.	12.	14.	2.5	7.	15.5
Montague .....	1.	13.	12.5	1.5	5.	10.5
LEEDS.—Crosby, N .....	25.	25.	38.	10.	10.5	15.5
Oxford .....	8.	19.5	15.	5.5	17.5	11.5
Gananoque .....	12.5	15.	17.5	3.	8.	11.
Elmsely, S. ....	15.5	15.	18.	11.	2.5	10.
MIDDLESEX.—Dorchester, N.	24.	24.5	26.5	11.	12.5	14.
Westminster ..	17.	11.5	13.5	11.5	9.	9.
Metcalfe ....	15.5	18.	23.5	7.	7.	3.
NORFOLK.—Houghton .....	21.	31.	29.	13.	16.	13.
Townsend .....	21.	20.	17.	7.	10.	9.
NORTHUMB'LAND.—Alnwick.	33.	30.	33.5	20.	18.	19.5
Cavan .....	11.5	23.5	13.	7.5	6.5	9.
Campbellford ..	19.	16.5	21.5	2.	10.5	13.
Monaghan, S ..	24.	25.	41.	15.	5.	22.
ONTARIO.—Rama .....	35.	35.	30.	19.5	15.	20.
Mara .....	9.	17.	14.5	4.	11.5	7.
OXFORD.—Blandford .....	28.	20.	23.	14.	10.	15.
Oxford, N. ....	12.	22.5	18.5	15.	15.	7.5
PEEL.—Caledon .....	21.	16.	16.5	4.	6.5	6.5
Streetsville .....	25.	25.	12.	15.	15.	15.
PERTH.—Ellice .....	27.5	20.5	20.	12.5	8.	15.5
Blanshard .....	8.5	12.5	19.5	5.5	6.5	6.5
Mitchell. ....	25	24.5	18.	9.	12.5	21.
PRESCOTT.—Alfred .....	46.	45	52.	22.	20.5	16.5
Caledonia .....	10.5	27.	25.	5.5	7.5	14.5
Hawkesbury ...	46.	14.	35.	11.	7.	17.5
L'Original .....	nil	17.	23.	3.	8.5	4.
PETERBOROUGH.—Belmont ..	12.5	21.	32.5	5.	9.5	15.
Harvey ..	34.	40.	22.	7.5	5.	12.
PRINCE EDWARD.—Athol ...	27.	17.5	16.	12.	17.5	11.5
Sophiasburgh ..	16.	22.	21.	7.	17.5	11.
Marysburgh, N.	15.5	17.5	10.	15.	7.5	10.
RENFREW.—Hagarty .....	40.5	21.5	22.5	17.5	6.5	8.
Annprior .....	18.	49.	38.	9.5	16.5	13.5
Westmeath ....	17.	19.	15.	17.5	3.	5.5
SINCOE.—Medonte .....	34.	31.5	33.	9.	7.5	7.
Essa .....	8.	14.	7.5	3.5	7.5	8.5
Adjala .....	7.	4.	12.5	6.	4.	7.
STORMONT.—Winchester ...	30.	31.5	25.	13.	13.	11.
Lancaster ....	7.	18.5	13.	2.5	6.	8.5
Cornwall .....	24.	36.	30.	17.	17.5	19.
Iroquois .....	4.	10.	8.5	5.	5.	20.

	Births per 1,000.			Deaths per 1,000.		
	1893.	1896.	1898.	1893.	1896.	1893.
VICTORIA.—Mariposa .....	26.	25.	28.5	14.	17.5	14.
Emily .....	5.5	11.	12.	8.5	13.	10.5
WELLAND.—Bertie .....	29.	20.	18.	7.5	8.5	12.
Pelham .....	14.5	18.5	15.	11.	11.	13.
Welland .....	22.5	15.	16.5	13.	6.5	14.5
WATERLOO.—Woolwich ....	35.	30.	29.	9.	13.	7.5
Dumfries, N. ....	21.5	21.	20.	6.5	7.	8.5
Berlin .....	28.5	22.5	24.	13.5	13.5	13.5
Galt .....	23.	18.	15.5	10.5	9.5	13.
WELLINGTON.—Garafraxa, W	28.	26.5	38.	13.5	7.	10.5
Arthur .....	16.	10.	10.	3.	11.	7.
Luther, W. ....	21.5	29.	23.5	8.5	2.5	8.
WENTWORTH.—Ancaster ...	25.	26.	23.	16.	11.5	11.5
Hamilton .....	23.5	22.5	22.	15.	14.5	15.
Flamborough, E	22.5	26.	20.	10.5	7.	12.
ORK.—Etobicoke .....	29.	25.5	21.	18.5	16.	19.
Richmond Hill ....	8.	16	20.	2.	14.	9.5
Aurora .....	19.	11.5	14.5	10.	10.5	10.
Whitchurch .....	24.	25.	22.	10.	8.	5.

I include no returns from any of the outlying districts in the foregoing summary, but confine myself to those portions of the Province where the Registration Act has been in force for a period of nearly a third of a century, and yet we find within the past six or seven years such a glorious irregularity attached to these returns that they are practically rendered useless as a basis of calculation. The birthrate, it will be seen, runs from 54 per thousand to actually nothing, while the death rate shows 26 as the highest and 1 as the lowest. Of course no fair comparison can be made between what might be termed the "extreme sections" of the Province as both the births and deaths actually taking place are much greater in some places than in others, but in the following municipalities a retrograde movement to an alarming extent seems to have set in. In Nepean township the recorded death rate has fallen from 26 to 10; in Paisley village the birthrate from 24.5 to 8, the death rate from 13.5 to 5; in Walkerton town the birthrate from 23 to 12; in Eastnor township the birth rate from 45 to 31, the deathrate from 17 to 5.5; in Oakland township the birth rate from 19 to 10, the deathrate from 20 to 10; in Storrington township the birth rate from 25 to 8; in Cayuga village the birthrate from 28 to 15, the deathrate from 20 to 6; in Watford town the birthrate from 32 to 18, the deathrate from 21 to 8; in Blenheim town the birth rate from 25 to 14.5, the death rate from 19 to 9; in Ashfield township the birth rate from 25 to 16; in Turnberry township the deathrate from 16.5 to 8; in Lanark township the deathrate from 19 to 9; in Streetsville village the birth rate from 25 to 12; in Oxford North township the death rate from 15 to 7.5; in Westmeath township the death rate from 17.5 to 3; in Bertie township the birth rate from 29 to 18; in Hagarty township the birth rate from 40.5 to 21.5, the death rate from 7.5 to 6.5; in Athol township the birth rate from 27 to 16; in Galt town the birth rate from 23 to 15.5; in Arthur village the birth rate from 16 to 10; in Etobicoke township the birth rate from 29 to 21. In a few instances I am pleased to say a steady improvement is noticeable, but on the whole what strikes the observer most forcibly is the great uncertainty which pervades the returns from year to year, they may be pretty nearly correct or they may be so far astray that "he who runs may read" how wide of the mark they actually are. The birth rate of old Ontario is certainly a low one at best, but from careful observation I am inclined to think that fully 25 per cent. may be added to the recorded returns throughout the whole Province in order to make them approximately correct. As to death returns in many localities they are so nearly complete that probably



an addition of fifteen per cent. to the total number received by the Department would bring the records up to the actual reality. In regard to marriage returns I have little complaint to make as it would appear they are pretty fully recorded in every section of the Province. After an experience of nearly four years with the amended Registration Act I regret to say that the hopes expressed in my report of 1896 "that before the closing years of this century the vital statistics of Ontario will be very reliable and pretty near complete" has by no means been gratified. For a couple of years immediately succeeding the passing of the amended act a great improvement was noticeable in nearly every respect so that I felt satisfied the problem of complete registration was shortly about to be solved. But the efforts of the Division Registrars as far as *quantity* is concerned seems to have been of a spasmodic nature, as the returns which in 1897 reached high water mark fell off lamentably, excepting in marriages; in the following year, and from present indication I fear that when all the schedules are received for 1899 a still further shrinkage will be noticeable in the birthrate. To a certain extent this is accounted for by the fact that for some little time after the passing of the amended act there was a tendency to register births and deaths which had occurred some years previously and had not been registered up to that time, but this would not mean one-half of the decrease shown in 1898. It would seem that the very fact of the publicity given to the question of vital statistics by the discussion upon the amendments to the act had for a time a most beneficial effect, and had awakened the people to the necessity of making returns, but alas that awakening was of short duration and they appear to have fallen into a still deeper sleep. As far as the clerical work is concerned I am pleased to note a steady improvement on the part of the Division Registrars and comparatively few schedules have now to be sent back for correction.

In looking for reasons for the defective registration of births and deaths several very cogent ones present themselves. In the first place we know that "what is everybody's business is nobody's business," and when the ordinary citizen learns the number of people who are called upon to see that the proper registration is made he is apt to decide to "leave it to the other fellow." As a matter of fact householders have frequently told me that they thought that the doctor was sure to make the return, while physicians almost to a man, feel certain the record will be made by the householder.

In marriages the clergyman alone is made responsible for the proper information being given, and these records are certainly by all odds the most satisfactory obtained by the department.

It is probably necessary that more than one party should be called upon to see that births and deaths are registered, but at the same time that very fact is certainly one of the obstacles in the way of complete returns. Then we find that the quarter from which we can and should receive the greatest assistance is practically of no use to us whatever.

It is with regret that year after year I have been forced to report that the physicians scarcely give any assistance to the Division Registrars in regard to birth and death returns. Whatever the profession as a body may understand of the Act it is clear that individually very few medical practitioners feel themselves bound by any of its provisions. After nearly four years existence of the section making it imperative for "every qualified medical practitioner attending at the birth of any child born within this Province to give notice forthwith thereof to the Registrar of the Division in which the child was born" we find it is observed chiefly in its breach, and many doctors are not aware to-day that such a section is in the Act. An equally strong paragraph relating to their duties in connection with the registration of deaths is also ignored to a great extent throughout the Province. Referring to the physicians in this connection in my report of 1891 I then stated: "I regret to say that as a rule they simply do not do their duty, and where such an intelligent and highly educated class fails to carry out the law it can scarcely be expected that 'the masses' will comply with it in every respect." What was true then is unfortunately almost equally true to-day. Educating the profession to do work in which they take such little interest makes slow progress in Ontario.

We will now consider the position of the Division Registrar which as the Act provides is filled by the Clerk of each municipality. I desire to again place on record my opinion that as a rule these officials are active and intelligent men who are painstaking

and energetic in their capacity as *Municipal Clerks*, but they are with few exceptions very much underpaid for the work they are called upon to do. It is surprising to learn even in comparatively wealthy municipalities how meagre their salary really is, while in many of the smaller townships they receive a mere pittance for work that certainly is of considerable importance. Under these circumstances these gentlemen do not feel very much like devoting time or attention to the duty of collecting vital statistics. In cities and towns their time is principally taken up with their municipal work, while in townships the area is so great which they have to attend to that it is a most difficult matter to secure complete returns. Then again, the work connected with the Registration Act is of an *ex officio* nature; the registrar is not appointed by this Department, and consequently there is a feeling among many of them that they cannot be held responsible for work which is outside of their regular duties.

Taking all these matters in consideration is it any wonder we find that so many Division Registrars are quite satisfied with the returns that come to them in the ordinary course of events, and think they have done their full duty when they record these returns and send their schedules to this department once every six months. The Registrar General may not be satisfied with the *extent* of the returns made, but what is he to do? The Division Registrar states he has used "all available means to obtain the necessary information," as called upon to do by the Act. He cannot be expected to go to any great expense in obtaining such information and his statement that he "has used all available means" must be accepted. He is a *municipal clerk*, not a *government official*. Were he the latter, while the returns might yet be far from complete, they certainly would not display the great discrepancies shown in the table of comparisons attached to this report.

I have the honor to be, Sir,

Your obedient servant,

R. B. HAMILTON,

Inspector.

TABLE 1.

Table showing the total number of Births, Marriages and Deaths in each County in 1898.

Counties.	Births.			Marriages.			Deaths.			Totals.			Ratio to 1,000 of the population.		
	Number in 1898.	Variation from 1897.		Number in 1898.	Variation from 1897.		Number in 1898.	Variation from 1897.		Number in 1898.	Variation from 1897.		Births.	Marriages.	Deaths.
		Increase.	Decrease.		Increase.	Decrease.		Increase.	Decrease.		Increase.	Decrease.			
Algoma.....	17,810									1,262		151	45.8	10.9	14.0
Brant.....	39,109	817	89	195	29	31	250			1,403		71	17.9	6.6	11.2
Bruce.....	60,328	702	69	261	9		440			2,281		233	18.8	5.3	8.6
Carleton.....	83,298	1,310	157	370			601			4,494		70	26.2	7.6	19.8
Dufferin.....	23,868	2,183	95	661	1		1,650			831		54	18.8	6.3	9.6
Eglw.....	46,547	449		152	24		230	31		1,508		105	16.4	4.0	10.2
Essex.....	76,763	763	38	268	36		477	13		3,461	170		26.9	18.7	12.8
Frontenac.....	59,007	1,607	42	1,117	147		737	19		1,914		38	18.2	5.7	13.9
Grey.....	50,447	919	2	290	53		754	35		2,585		20	16.6	5.3	9.8
Haldimand.....	76,423	1,426	55	405			248			799		42	16.0	5.8	9.8
Halton.....	25,152	403	12	148	15		223	8		717		23	17.3	3.5	9.4
Hamilton.....	23,890	410	8	84	21		65			320		18	32.6	4.8	9.5
Haliburton.....	6,809	222		33	1		689			2,339		31	18.9	7.0	10.8
Hastings.....	63,503	1,202	24	448	21		658	28		2,316		149	17.8	5.3	9.2
Huron.....	71,654	1,278	3	380	63		731	2		2,466		99	20.8	6.7	11.6
Kent.....	62,991	1,313	89	422			575			2,143		143	19.8	6.7	9.7
Lambton.....	58,911	1,170	61	398	23		465			1,480	32		18.3	6.7	11.4
Lennox.....	40,482	743	9	273	51		823	10		2,287		109	16.2	6.1	12.6
Leeds and Grenville.....	65,839	1,062	60	402	59		302			952	2		17.5	6.8	11.3
Lennox and Addington.....	26,557	467	14	183	17		405			1,129		151	17.3	5.3	12.5
Lincoln.....	32,278	560	56	164	38		1,099	63		3,329		102	14.7	5.5	10.0
Middlesex.....	109,417	1,615	50	615	89		1,995	5		905		33	33.8	6.1	11.0
Muskoka.....	17,782	601		108	29		259			1,322		110	70.9	13.2	20.5
Nipissing.....	12,636	897	69	167	6		348			1,193		102	19.2	6.1	10.4
North York.....	33,256	651	17	204	33		377	9		2,514		58	16.1	5.5	11.6
Northumberland and Durham.....	73,615	1,218	40	419	21		503			1,614		33	17.5	5.2	10.3
Ontario.....	48,671	854	49	257	22		615			2,021	16		20.0	5.2	11.5
Oxford.....	63,493	1,073	86	332	10										



Peel .....	26,687	408	14	52	124	215	16	1,016	.....	102	43.0	7.6	13.6
Perrh .....	55,498	999	.....	11	374	601	.....	1,769	.....	8	15.3	4.3	9.2
Peterborough .....	37,889	831	.....	59	262	32	77	1,574	133	.....	18.0	6.7	10.8
Prescott and Russell .....	45,566	1,623	52	.....	353	481	30	1,574	3	.....	21.9	6.9	12.7
Prince Edward .....	20,265	305	.....	13	123	623	.....	2,599	.....	27	35.6	7.7	13.6
Rainy River .....	4,508	235	36	.....	102	224	.....	25	.....	43	15.0	6.0	11.0
Renfrew .....	49,370	1,357	.....	169	342	119	.....	29	456	47	52.1	22.6	26.1
Simcoe .....	76,974	1,744	27	.....	544	490	.....	145	2,189	.....	27.4	6.9	9.9
Stormont, Dundas and Glengarry .....	74,836	1,338	.....	72	435	872	.....	22	3,160	6	22.8	7.0	11.3
Thunder Bay .....	5,836	254	38	.....	73	847	.....	95	2,020	.....	17.8	5.8	11.3
Victoria .....	35,401	729	37	.....	224	96	.....	22	423	147	43.5	12.5	16.4
Waterloo .....	54,169	1,151	.....	44	309	385	5	.....	1,338	.....	20.5	6.3	10.8
Welland .....	32,859	656	4	.....	258	554	.....	31	2,014	.....	21.2	5.7	10.2
Wellington .....	63,782	1,197	52	.....	359	425	.....	44	1,839	110	19.9	7.8	12.9
Wentworth .....	84,617	1,678	151	.....	566	593	.....	33	2,149	1	18.7	5.6	9.3
York .....	361,250	5,509	.....	40	2,069	1,104	87	.....	3,348	255	19.8	6.7	13.0
						3,571	.....	300	11,189	99	18.2	6.8	11.8
Totals .....	2,279,929	46,599	654	1,378	15,375	26,370	312	1,575	88,344	2,750	20.4	6.7	11.5

TABLE 2.

Table showing the total number of Births, Marriages and Deaths in each City in 1898.

Cities.	Population.	Births.			Marriages.			Deaths.			Totals.			Ratio to 1000 of Population.		
		Number in 1898.	Variation from 1897.		Number in 1898.	Variation from 1897.		Number in 1898.	Variation from 1897.		Number in 1898.	Variation from 1897.		Births.	Marriages.	Deaths.
			Increase.	Decrease.		Increase.	Decrease.		Increase.	Decrease.		Increase.	Decrease.			
Toronto .....	199,917	4,122	44	.....	1,696	195	.....	2,866	.....	256	8,684	.....	17	20.6	8.4	14.3
Hamilton ..	52,562	1,102	133	.....	434	22	.....	749	73	.....	2,285	228	.....	20.9	8.2	14.2
Ottawa .....	47,382	1,349	76	.....	598	119	.....	1,221	.....	21	3,168	174	...	28.4	12.6	25.7
London .....	33,273	627	75	.....	289	.....	30	474	15	.....	1,390	60	.....	18.8	8.6	14.2
Kingston .....	20,668	354	....	2	155	.....	40	353	.....	6	862	.....	48	17.1	7.5	17.1
Brantford .....	13,682	387	.....	21	152	15	.....	219	.....	29	758	.....	35	28.2	11.1	16.0
St. Thomas .....	11,120	158	.....	63	94	.....	7	117	.....	40	369	.....	110	14.2	8.4	10.5
Guelph .....	11,303	246	.....	13	75	.....	23	159	25	.....	480	.....	11	21.6	6.6	14.0
St. Catharines .....	9,837	158	.....	42	66	.....	22	167	7	.....	391	.....	57	16.0	6.7	16.9
Belleville .....	10,639	169	18	.....	109	6	.....	149	.....	38	427	.....	14	15.9	10.2	14.0
Stratford .....	10,191	159	25	.....	84	39	.....	120	17	.....	363	81	.....	15.6	8.2	11.8
Windsor .....	11,074	229	.....	8	705	90	.....	158	.....	11	1,092	71	.....	20.6	63.6	14.2
Chatham .....	9,712	151	...	48	132	17	.....	142	.....	19	425	.....	50	15.5	13.6	14.6
Total .....	441,360	9,111	371	197	4,589	503	122	6,894	137	420	20,694	614	342	20.6	10.3	15.6

Table showing the total number of Births, Marriages and Deaths in each Town in 1898.

Towns.	Births.			Marriages.			Deaths.			Totals.			Ratio to 1000 of Population.		
	Number in 1898.	Variation from 1897.		Number in 1898.	Variation from 1897.		Number in 1898.	Variation from 1897.		Number in 1898.	Variation from 1897.		Births.	Marriages.	Deaths.
		Increase.	Decrease.		Increase.	Decrease.		Increase.	Decrease.		Increase.	Decrease.			
Barrie	6,166	92	43	57	3	80	4	229	50	14.9	9.2	12.9	14.9	9.2	12.9
Brockville	9,449	180	22	77	8	113	29	417	1	19.0	8.1	16.9	19.0	8.1	16.9
Burlington	7,955	206	6	72	36	113	2	301	40	25.8	9.0	14.2	25.8	9.0	14.2
Bracebridge	1,575	69	12	26	14	23	10	118	16	48.8	16.5	14.6	48.8	16.5	14.6
Brampton	3,612	42	1	26	11	41	16	169	28	11.6	7.2	11.3	11.6	7.2	11.3
Corwall	7,299	187	11	80	20	118	7	385	24	25.7	10.9	16.1	25.7	10.9	16.1
Cobourg	5,364	85	12	27	13	91	20	31	19	15.8	5.0	16.9	15.8	5.0	16.9
Cayuga	913	17	2	7	4	7	6	31	8	18.6	7.6	7.6	18.6	7.6	7.6
Goderich	4,204	53	8	28	12	42	13	125	31	12.4	6.6	9.8	12.4	6.6	9.8
Lindsay	6,522	142	15	85	15	90	12	317	42	21.7	13.0	13.8	21.7	13.0	13.8
L'Orignal	1,113	22	1	8	1	4	6	94	4	19.7	7.1	3.5	19.7	7.1	3.5
Niagara	1,610	29	14	11	9	18	3	58	17	18.0	6.8	11.2	18.0	6.8	11.2
Napanee	3,813	63	8	73	11	46	6	172	5	16.5	16.5	12.1	16.5	16.5	12.1
Niagara Falls	3,586	115	23	73	5	45	26	233	14	32.1	20.3	12.5	32.1	20.3	12.5
North Bay	2,455	114	13	31	11	31	7	176	25	46.4	12.6	12.6	46.4	12.6	12.6
Orangeville	2,290	25	10	28	5	29	2	82	17	7.6	8.5	8.8	7.6	8.5	8.8
Owen Sound	8,041	164	65	65	2	123	30	353	28	20.8	8.2	15.2	20.8	8.2	15.2
Pary Sound	2,696	72	42	28	1	33	14	133	55	26.7	10.4	12.2	26.7	10.4	12.2
Peterboro	10,630	247	24	117	14	154	1	518	9	23.2	11.0	14.5	23.2	11.0	14.5
Pembroke	4,933	141	40	49	4	66	22	256	66	28.6	9.9	13.3	28.6	9.9	13.3
Perrin	3,483	73	15	53	17	43	15	169	13	20.9	15.2	12.3	20.9	15.2	12.3
Pictou	3,651	41	19	43	17	43	15	136	19	11.2	11.5	14.5	11.2	11.5	14.5
Port Arthur	3,654	75	5	33	9	45	7	152	2	20.5	9.0	12.3	20.5	9.0	12.3
Rat Portage	4,545	139	8	84	31	86	16	309	23	30.5	18.4	18.9	30.5	18.4	18.9
Sarnia	6,958	141	7	120	11	90	11	351	7	20.2	17.2	12.9	20.2	17.2	12.9
Sault Ste. Marie	3,800	119	6	43	17	41	2	206	25	30.8	11.1	11.4	30.8	11.1	11.4
Shedden	2,970	57	2	33	9	40	2	135	11	19.2	12.9	13.4	19.2	12.9	13.4
Toronto Junction	5,202	139	10	43	7	71	2	253	1	26.7	8.2	13.6	26.7	8.2	13.6
Walkerton	3,400	36	25	21	37	37	11	94	24	10.6	6.2	10.9	10.6	6.2	10.9
Welland	3,270	32	3	16	3	28	11	76	11	9.8	4.9	8.5	9.8	4.9	8.5
Whitby	3,094	47	4	15	6	35	5	97	15	11.9	4.8	11.0	11.9	4.8	11.0
Woodstock	9,238	184	37	70	5	105	8	359	24	19.8	7.5	11.3	19.8	7.5	11.3
Total	148,621	3,148	137	1,537	172	1,991	182	6,677	205	21.2	10.3	13.4	21.2	10.3	13.4

The Town of L'Orignal included in the above totals has been omitted from Table 12.



**TABLE 4.**  
**Illegitimate Births, Twins and Triplets in the Province.**

Illegitimate Births.		Ratio to 1,000 births.	Number of pair of twins.	Number of case of triplets.
No.	Proportion to whole number of births.			
678	One to every 68 births .....	14.5	306	7

**TABLE 5.**  
**Births in the Province in 1898, showing the Proportion of Male to Female Births**

Sex.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Males .....	1,975	1,863	2,196	2,081	2,008	1,930	2,090	2,157	2,115	1,932	1,725	1,824	23,886
Females .....	1,853	1,819	2,120	1,962	1,958	1,834	1,936	2,122	2,030	1,741	1,591	1,737	22,703
Total .....	3,828	3,682	4,316	4,043	3,966	3,764	4,026	4,279	4,145	3,673	3,316	3,561	46,589
Male births to 100 female births.....	106.5	102.4	103.6	106.0	102.6	105.2	107.9	101.6	104.1	110.9	108.4	105.0	105.5

**TABLE 6.**  
**Order of Births by Months in the Province.**

Months.	Males.	Months.	Females.	Months.	Total male and female.
March .....	2,196	August .....	2,122	March .....	4,316
August .....	2,157	March .....	2,120	August .....	4,279
September .....	2,115	September .....	2,030	September .....	4,145
July .....	2,090	April .....	1,962	April .....	4,043
April .....	2,081	May .....	1,958	July .....	4,026
May .....	2,008	July .....	1,936	May .....	3,966
January .....	1,975	January .....	1,853	January .....	3,828
October .....	1,932	June .....	1,834	June .....	3,764
June .....	1,930	February .....	1,819	February .....	3,682
February .....	1,863	October .....	1,741	October .....	3,673
December .....	1,824	December .....	1,737	December .....	3,561
November .....	1,725	November .....	1,591	November .....	3,316
Total .....	23,886	Total .....	22,703	Total .....	46,589

TABLE 7.  
Marriages by Months in the Province,

Months.	1897.	Months.	1898.	Quarters.	1897.	Quarters.	1898.
December .....	1,896	June .....	1,741	Quarter ending Dec. 31...	4,733	Quarter ending Dec. 31...	4,455
June .....	1,682	December .....	1,532	Quarter ending June 30...	3,577	Quarter ending June 30...	3,835
September. ....	1,633	October .....	1,488	Quarter ending Sept. 30...	3,522	Quarter ending Sept. 30...	3,550
November .....	1,453	September ....	1,483	Quarter ending Mar. 31...	3,437	Quarter ending Mar. 31...	3,531
October .....	1,384	November .....	1,435	Date not given.....	24	Date not given.....	4
March .....	1,227	March .....	1,204				
January .....	1,147	April .....	1,197				
February .....	1,063	January .....	1,173				
April .....	989	February .....	1,154				
July .....	968	August .....	1,145				
August .....	921	July .....	922				
May .....	906	May .....	897				
No date given ..	24	No date given.	4				
Total .....	15,293	Total .....	15,375	Total .....	15,293	Total .....	15,373

TABLE 8.  
Marriages by Denominations in the Province.

Denominations.	Number of persons married.	Per cent. of whole.	Proportion to the whole number of persons married.
Methodists .....	10,382	33.8	2.9
Presbyterians .....	6,400	20.8	4.8
Church of England .....	4,932	16.0	6.2
Roman Catholics .....	4,657	15.1	6.6
Baptists .....	1,908	6.2	16.1
Lutherans .....	723	2.3	42.5
Congregationalists .....	271	.9	113.4
Evangelical Association .....	157	.5	195.8
Mennonites .....	127	.4	242.1
Quakers .....	32	.1	969.9
Other denominations .....	853	2.8	36.0
No denominations given .....	333	1.1	91.0
Total .....	30,750	100.0	

TABLE 9.

Showing the Death rate per 1,000 of Population in each County of the Province for ten years.

Counties.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	Average rate for ten years.
Algoma									15.9	14.0	.....
Brant	12.7	12.3	10.5	11.4	11.3	10.4	12.1	12.3	12.2	11.2	11.6
Bruce	7.4	7.1	8.3	8.3	8.3	8.7	7.9	9.7	9.7	8.6	8.4
Carleton	18.2	18.4	8.9	13.6	15.5	16.9	17.7	17.9	20.3	19.8	16.7
Dufferin	9.7	10.0	10.8	9.6	8.9	7.3	7.9	8.0	8.4	9.6	9.0
Elgin	9.2	9.9	9.2	9.1	9.9	8.5	10.2	10.1	11.0	10.2	9.7
Essex	12.1	12.5	12.0	12.2	11.9	11.6	12.0	12.6	12.9	12.3	12.2
Frontenac	15.9	15.7	13.7	14.5	12.4	11.1	11.2	13.3	13.8	13.9	13.5
Grey	7.0	7.3	7.4	7.7	7.7	7.8	8.1	9.7	9.5	9.8	8.2
Haldimand	8.5	6.7	8.2	10.3	6.6	9.5	8.4	7.7	10.5	9.8	8.6
Halton	8.6	8.9	9.3	9.9	9.0	8.7	8.9	9.2	9.2	9.4	9.1
Haliburton			8.0	9.2	8.6	8.2	10.7	12.4	11.2	9.5	9.7
Hastings	10.7	10.6	8.3	8.9	9.0	7.9	9.2	11.2	11.4	10.8	9.8
Huron	7.3	7.4	8.2	8.5	9.1	7.4	7.7	8.3	10.5	9.2	8.3
Kent	8.6	8.3	8.4	8.7	8.7	9.3	9.2	9.8	11.7	11.6	9.4
Lambton	9.5	9.1	8.1	8.4	9.1	8.0	7.6	8.6	10.8	9.7	8.8
Lanark	8.4	8.9	6.6	7.4	7.6	8.9	6.9	10.2	11.8	11.4	8.8
Leeds and Grenville	8.2	8.8	7.1	7.2	8.2	6.5	7.3	10.9	12.5	12.6	8.9
Lennox and Addington	9.4	7.3	10.1	7.7	7.0	10.2	6.8	9.4	12.6	11.3	8.9
Lincoln	11.4	12.8	10.9	14.3	11.4	13.0	13.1	12.2	14.4	12.5	12.6
Middlesex	10.4	11.6	8.9	10.9	10.1	10.0	9.6	8.7	10.7	10.0	10.1
Muskoka									11.4	11.0	.....
Norfolk	7.3	8.1	8.5	9.5	8.2	8.1	9.2	9.4	12.1	10.4	9.0
Northumberland and Durham	8.1	9.9	10.7	10.1	9.7	10.5	9.9	10.1	11.6	11.6	10.2
Nipissing									23.5	20.5	.....
Ontario	9.9	9.4	9.8	11.0	10.3	10.0	9.8	10.2	10.6	10.3	10.0
Oxford	10.9	11.1	9.7	11.4	10.9	10.9	10.3	11.3	11.8	11.5	10.9
Peel	9.2	7.8	7.7	7.5	7.9	7.8	7.1	9.4	9.1	9.2	8.2
Perth	8.3	8.2	8.9	9.1	8.1	8.9	9.0	8.8	9.5	10.8	8.9
Peterborough	10.6	11.4	11.1	12.1	10.8	12.6	10.4	11.2	12.0	12.7	11.4
Prescott and Russell	14.3	14.3	10.6	12.9	11.7	14.9	11.7	13.1	16.9	13.6	13.4
Prince Edward	10.1	11.3	11.1	11.5	11.6	12.8	9.7	13.8	12.4	11.0	11.5
Parry Sound									14.7	13.6	.....
Rainy River									33.1	26.1	.....
Renfrew	8.8	7.2	7.7	9.5	9.6	10.6	9.9	12.2	13.0	9.9	9.8
Simcoe	8.0	6.4	8.1	8.1	8.2	9.3	7.4	10.7	11.7	11.3	8.9
Stormont, Dundas and Glengarry	8.8	9.2	8.5	8.9	8.8	7.3	7.8	9.0	12.7	11.3	9.2
Thunder Bay									20.4	16.4	.....
Victoria	9.1	7.7	9.9	10.9	10.0	9.7	9.0	9.8	10.8	10.8	9.7
Waterloo	11.1	11.9	11.6	10.5	9.9	9.9	10.1	10.1	10.9	10.2	10.6
Welland	11.1	9.4	12.4	10.5	11.1	9.5	11.0	12.1	14.4	12.9	11.4
Wellington	10.0	9.2	10.1	10.6	9.8	10.3	9.5	9.5	9.9	9.3	9.8
Wentworth	15.1	14.4	13.2	11.7	13.1	12.5	12.7	13.2	12.1	13.0	13.1
York	19.0	16.3	15.9	16.4	16.1	13.1	13.2	12.4	12.9	11.8	14.7
Average rate	10.7	11.1	10.2	10.7	10.6	10.3	10.1	10.9	12.2	11.5	10.8

Owing to the changing of territorial boundaries in Algoma, Nipissing, Muskoka and Parry Sound, they have been inserted in this table for 1897 and 1898 only.



Cause of Death.	Sex.		Nativity.		Social condition.		Ages.												Months.												Totals.									
	Male.	Female.	Canada.	Foreign.	Single.	Married.	Not stated.	Under 5.					80 and over.	Not given.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.														
								0-1.	1.	2.	3.	4.																												
I. Communicable (Epidemic) diseases .....	885	824	1510	131	181314	190	205	216	125	145	159	116	286	87	82	89	58	42	40	37	25	42	53	66	33	8	181	163	145	129	121	94	112	103	137	108	174	182	1709	
II. Other general diseases .....	2338	2375	3897	1205	1111755	1619	1839	374	57	45	31	25	89	112	843	538	508	387	388	308	295	560	664	329	103	27	418	408	511	485	480	404	424	404	437	421	403	418	5213	
III. Diseases of nervous system and organs of sense .....	1091	1506	2145	1009	431384	822	991	721	154	84	42	29	92	56	62	57	46	54	56	81	94	276	423	557	288	25	245	266	269	268	252	285	268	274	261	234	255	3197		
IV. Diseases of the circulatory system .....	803	958	994	813	44	244	774	833	2	2	5	4	1	35	47	41	50	65	68	94	81	103	275	537	330	112	9	159	141	166	180	168	138	145	141	145	152	144	172	1851
V. Diseases of the respiratory system .....	1484	1231	1855	829	311190	672	853	536	184	113	55	84	64	43	67	58	55	76	95	86	89	205	342	389	213	11	293	207	350	386	385	161	117	91	106	153	179	287	2715	
VI. Diseases of the digestive system .....	1473	1347	2257	535	281732	524	564	1144	178	54	36	23	70	73	75	70	69	70	75	62	61	182	266	229	75	8	121	134	132	141	136	173	351	525	508	328	141	130	2320	
VII. Diseases of the genito-urinary system .....	527	313	427	393	20	98	313	429	10	3	6	4	12	10	20	27	41	28	39	40	36	101	174	202	80	5	77	68	75	81	61	67	71	62	73	64	73	68	840	
VIII. Puerperal diseases .....	245	214	31	5	221	19	...	...	...	...	...	...	...	...	15	53	60	40	47	15	4	...	...	...	...	...	2	20	20	27	19	24	34	21	25	14	12	16	13	245
IX. Diseases of the skin and cellular tissue .....	36	33	51	23	...	31	18	25	19	1	3	...	2	1	1	2	1	1	2	4	2	13	11	7	4	...	9	3	11	14	5	...	5	8	4	7	3	5	74	
X. Diseases of the locomotor system .....	14	6	17	3	...	9	3	8	...	...	...	...	...	2	1	4	1	2	1	1	3	1	...	...	...	...	3	...	2	2	2	...	3	1	3	2	1	1	20	
XI. Malformations, diseases of infants, diseases of old age .....	3134	2588	233621	2063	613063	1303	1379	2915	27	18	4	1	...	...	...	...	...	...	...	...	...	...	...	...	1138	1635	7	523	502	517	515	484	308	408	504	520	484	432	488	5745
XII. Suicide .....	60	31	51	32	8	14	26	51	...	...	...	...	...	...	4	9	6	3	5	7	11	16	23	5	1	...	1	8	1	8	14	0	7	9	8	8	6	10	91	
XIII. Accidents .....	825	175	674	264	62	411	154	435	18	29	40	22	14	75	59	87	81	68	40	49	50	93	82	70	44	24	84	54	75	75	80	107	109	97	86	82	77	74	1000	
XIV. Ill-defined causes .....	332	488	563	255	32	269	301	280	20	26	31	17	11	35	30	29	37	37	39	42	40	47	102	135	106	50	16	78	82	90	79	54	62	75	62	63	80	64	61	850
Totals .....	13722	12625	23	18276	7636	458	11519	6940	7911	6975	816	540	376	260	761	518	830	1013	866	924	813	818	1865	2713	3429	2638	143	2219	2149	2408	2388	2206	1867	2133	290	2378	2222	1946	2164	26370



Recapitulation by Classes of Diseases by Towns, 1898.

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## TOTAL DEATHS BY INDIVIDUAL

	Algoma.	Brant.	Bruce.	Carleton.	Dufferin.	Elgin.	Essex.	Frontenac.	Grey.	Haldimand.	Halton.	Haliburton.	Hastings.	Huron.	Kent.	Lambton.	Lanark.	Leeds & Grenville.	Lennox & Addington.
<b>Communicable Diseases.</b>																			
Typhoid fever .....	1	12	13	25	3	5	8	24	11	6	6	..	12	9	11	13	2	12	5
Smallpox .....	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..
Measles .....	..	..	1	27	..	2	..	5	1	..	..	..	4	2	..	..	5	5	..
Scarlet fever .....	1	4	3	4	..	7	3	6	2	1	..	1	3	7	12	21	9	6	1
Whooping cough .....	1	2	..	11	..	2	5	6	8	..	1	1	2	4	4	1	7	1	..
Diphtheria and croup .....	4	3	13	39	17	15	38	12	11	9	6	3	26	7	36	21	11	15	6
Influenza .....	6	4	2	9	1	6	11	1	10	2	1	..	6	3	6	2	1	2	4
Other epidemic diseases.	..	..	1	1	..	..	1	..	..	..	..	..	..	..	..	3	..	..	..
Pyæmia and septicaemia	6	5	6	20	4	10	8	10	24	4	4	1	10	11	7	11	19	4	..
Malarial fever .....	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	..	..	..	..
Tuberculosis and scrofula	27	41	82	204	28	58	75	92	90	25	24	7	78	77	88	62	61	132	38
Syphilis .....	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cancer .....	1	11	26	42	10	13	18	30	27	12	15	1	14	31	32	19	10	34	9
Rheumatism and gout .....	..	2	1	1	1	4	1	5	4	1	..	..	2	5	4	..	3	8	4
Diabetes .....	1	2	4	9	3	4	5	4	5	2	..	..	4	5	2	7	4	6	3
Other general diseases .....	2	1	7	6	1	..	2	5	2	3	..	..	2	1	2	4	2	2	..
Alcoholism, acute & chronic.	..	..	..	..	..	..	2	1	..	..	..	..	1	1	..	1	..	..	..
Encephalitis .....	2	4	1	6	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..
Simple meningitis .....	..	7	3	25	2	2	9	3	8	..	1	1	6	6	10	6	2	6	4
Epidemic cerebro-spinal meningitis .....	3	3	5	12	1	2	10	8	7	3	3	1	6	..	2	4	3	5	..
Congestion and hemorrhage of the brain .....	1	12	19	30	8	8	18	15	11	10	11	3	12	31	24	13	9	27	11
Softening of the brain .....	..	1	1	2	..	1	..	..	..	..	1	1	1	2	3	1	..	3	1
Paralysis without specified cause .....	5	9	21	48	9	26	18	32	28	14	12	2	32	18	24	16	24	26	18
Insanity .....	1	..	2	..	..	..	2	2	3	1	..	..	1	1	1	..	..	9	..
Epilepsy .....	3	1	1	5	..	..	3	2	1	..	..	..	1	3	2	3	..	3	..
Convulsions (not puerperal)	8	7	12	85	5	11	8	18	11	3	4	3	11	16	11	19	5	12	4
Other nervous diseases .....	..	1	5	6	1	3	..	2	1	..	..	..	2	4	1	1	..	2	1
Pericarditis .....	..	..	..	2	..	..	..	..	1	..	..	..	..	2	..	..	..	..	..
Endocarditis .....	..	2	3	1	1	1	3	1	..	..	..	..	..	..	..	3	..	..	..
Organic Heart Diseases .....	13	23	28	69	13	16	35	27	43	15	14	..	32	35	38	26	13	47	12
Angina Pectoris .....	1	2	1	2	..	..	1	1	..	..	..	..	2	2	4	2	2	2	..
Diseases of the Arteries.	..	..	1	1	..	1	1	2	1	..	..	..	1	..	..	..	1	1	..
Atheroma, Aneurism, et c.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Diseases of the Circulatory System .....	4	2	7	13	6	17	10	14	15	5	5	1	10	9	10	12	12	19	8
Acute Bronchitis .....	6	5	2	45	1	1	7	8	12	1	2	1	4	8	7	8	3	7	3
Chronic Bronchitis .....	2	2	6	9	3	3	4	5	5	3	1	..	4	8	3	..	3	5	..
Broncho-pneumonia .....	1	..	2	21	2	1	4	..	2	..	2	..	9	4	1	4	..	8	1
Pneumonia .....	14	45	28	79	10	32	47	48	32	10	15	2	62	37	36	29	31	35	15
Pleurisy .....	2	..	1	1	2	2	4	2	3	..	..	..	1	1	3	3	4	..	..
Congestion of the Lungs (including pulmonary apoplexy)	5	7	9	18	2	7	2	1	8	..	1	..	4	5	3	4	4	7	5
Asthma and Emphysema	2	3	1	5	3	2	4	2	2	..	..	2	3	3	2	2	2	4	2
Other Diseases of the Respiratory System .....	1	..	..	1	..	..	..	..	2	..	1	2	..	1	..	..	..	1	..
Ulcer of the Stomach .....	..	..	..	1	..	..	..	1	2	1	..	..	..	..	..	..	..	2	1
Other Diseases of the Stomach (Cancer excepted)	..	4	3	5	2	2	4	6	11	5	1	..	5	5	9	6	5	10	3
Infantile Diarrhoea and Gastro-enteritis, (Cholera Infantum) .....	12	15	17	188	3	24	55	19	30	10	8	4	27	22	57	15	17	43	10
Diarrhoea and Enteritis (not infantile) .....	3	9	9	9	3	6	13	7	17	3	2	1	11	9	8	7	12	21	4
Dysentery .....	..	1	1	6	1	1	3	1	1	2	1	..	4	5	4	2	8	5	2
Hæmorrhoids and Intestinal obstructions .....	1	3	3	3	3	2	2	6	5	1	..	..	3	3	6	2	1	3	2

No. 13.

## DISEASES BY COUNTIES IN 1898.

Middlesex.	Muskoka.	Norfolk.	Northum'd & Durh'm.	Nipissing.	Ontario.	Oxford.	Peel.	Perth.	Peterborough.	Prescott & Russell.	Prince Edward.	Parry Sound.	Rainy River.	Renfrew.	Simcoe.	Stormont, D. & G.	Thunder Bay.	Victoria.	Waterloo.	Welland.	Wellington.	Wentworth.	York.	Totals.	
22	3	6	13	4	7	13	2	6	11	5	3	2	15	9	8	10	..	11	12	6	2	10	39	405	
23	1	..	8	2	2	..	..	2	4	1	1	..	1	4	4	8	..	7	3	..	3	..	9	116	
24	2	2	5	1	4	8	2	15	1	1	1	..	1	3	2	4	..	7	2	4	..	12	30	222	
25	5	4	9	15	5	8	2	11	6	31	6	7	14	17	11	13	4	6	7	21	3	1	8	126	
26	2	4	6	3	15	5	6	2	3	3	6	..	2	1	3	6	4	1	4	5	3	3	31	84	634
27	2	2	7	18	3	4	12	6	14	6	8	2	5	11	25	17	1	4	13	10	20	20	64	482	
28	4	1	1	1	1	1	2	2	3	3	2	3	2	3	1	1	1	1	1	1	..	..	4	25	
135	19	36	97	23	67	72	35	96	69	59	24	32	15	48	105	116	7	50	53	36	67	140	554	3,291	
61	6	16	37	3	17	15	19	32	18	7	13	3	1	12	27	28	1	9	29	23	38	43	156	975	
2	2	4	6	..	7	7	1	1	6	4	1	1	2	1	2	5	1	3	6	1	4	9	15	140	
7	5	5	2	1	3	2	2	6	4	2	2	2	2	2	7	6	..	3	4	2	1	5	17	157	
4	..	2	2	1	4	1	3	4	1	1	1	1	2	2	6	5	..	1	1	3	2	5	19	112	
1	1	1	1	..	1	2	1	4	2	2	13	2	..	2	2	1	1	5	3	6	4	1	2	17	
5	2	5	5	3	1	2	1	4	2	13	2	..	1	6	6	5	1	5	3	6	4	8	27	198	
12	2	..	7	..	3	3	..	8	2	6	6	2	..	2	1	2	2	1	2	1	1	4	42	214	
2	1	2	3	1	5	5	1	5	2	5	1	1	..	3	3	4	1	5	1	6	2	14	37	190	
39	3	12	24	1	23	22	8	25	18	6	2	9	2	6	24	13	3	5	31	17	20	48	131	771	
3	..	1	5	..	1	2	..	2	..	..	3	..	..	..	3	1	..	..	3	..	..	6	17	63	
42	3	17	38	1	5	31	6	14	10	14	7	1	..	6	26	26	1	8	7	33	24	33	78	825	
6	..	..	..	1	1	1	1	1	1	3	2	1	1	7	9	3	..	..	..	2	4	14	18	71	
5	..	2	4	..	..	..	..	1	1	..	..	..	..	2	2	1	..	3	..	..	3	3	21	101	
25	5	12	20	12	13	15	6	14	16	12	1	13	3	11	18	17	7	12	17	19	20	21	116	686	
2	1	..	5	..	3	3	..	1	1	1	..	1	..	1	1	5	..	2	1	1	3	4	10	76	
1	..	2	2	..	1	3	..	1	1	..	..	1	..	1	..	2	..	1	1	..	2	2	1	23	
3	..	2	3	..	1	1	1	5	1	1	..	2	..	1	4	3	..	2	2	..	3	3	17	68	
68	13	15	33	8	34	31	10	27	21	17	10	11	3	14	37	32	5	18	26	20	34	60	194	1,260	
1	1	3	3	..	2	2	1	..	..	..	..	..	..	1	1	..	..	..	3	..	..	3	2	46	
1	1	..	1	..	1	..	..	1	1	1	..	1	..	..	..	2	..	..	..	2	1	..	6	29	
24	1	10	20	1	7	5	12	14	8	5	6	5	3	6	14	16	1	7	7	12	13	8	30	425	
10	11	6	12	8	7	1	2	9	9	1	1	1	2	11	29	8	5	7	15	10	8	22	55	398	
9	1	3	9	..	2	3	..	1	1	1	1	4	..	2	3	5	4	2	6	3	4	8	24	168	
2	10	3	8	1	4	3	4	6	..	..	..	..	..	2	1	7	2	2	1	6	3	5	20	49	208
51	9	23	66	16	26	52	17	33	20	33	14	3	10	24	59	61	7	16	25	19	37	85	167	1,512	
3	..	1	3	1	1	1	1	3	..	..	1	1	1	1	3	3	1	1	3	..	4	2	5	70	
10	1	1	15	2	5	5	2	4	2	6	..	2	1	5	3	11	1	5	6	7	5	7	20	223	
3	..	3	4	..	3	1	..	7	2	3	1	1	..	1	3	5	..	1	3	1	..	6	17	109	
1	1	1	..	1	1	3	1	..	1	1	..	..	..	..	..	1	..	..	..	1	1	4	..	27	
1	..	1	1	..	..	..	..	..	1	1	..	..	..	1	2	..	..	..	..	1	..	1	4	23	
10	2	1	5	1	9	5	2	2	5	3	2	2	..	2	6	3	3	4	1	6	3	5	22	193	
37	4	14	19	16	21	15	4	19	15	58	7	12	8	42	41	47	4	18	24	17	22	40	226	1,325	
17	5	7	16	6	6	9	2	8	9	13	4	1	1	8	19	10	..	6	4	7	4	7	15	347	
5	..	2	3	..	3	..	1	4	1	..	1	..	..	1	5	6	..	6	2	1	..	2	10	101	
8	2	5	6	..	2	4	1	3	3	..	1	1	..	..	5	6	..	3	8	..	7	3	10	131	

TABLE No. 1.  
TOTAL DEATHS BY INDIVIDUAL

III- Defined Causes.	Accidents.	Suicide.	Malforma- tions.	Dis. of Dis. Loco- of motion, Skin.	Puerperal Diseases.	Diseases of Urinary System.																
							Algoma.	Brant.	Bruce.	Carleton.	Dufferin.	Elgin.	Essex.	Frontenac.	Grev.	Haldimand.	Halton.	Haliburton.	Hastings.	Huron.	Kent.	Lambton.
Oth'r Diseases of the Int'st Diseases of the Liver... Peritonitis (n't puerperal) Iliac abscess (typhlitis, peri- typhlitis, appendicitis. Acute Nephritis Bright's Disease Other Diseases of the Kid- neys and Adnexa Vesical Calculi. Diseases of the Bladder. Diseases of the Male Gen- ital Organs. Metritis. Oth'r Dis'es of the Uterus Ovarian Cysts and other Ovarian Tumors Other diseases of the Fe- male Genital Organs. Puerperal Septicaemia.. Puerperal Albuminuria and Convulsions. Other accidents of Preg- nancy sudden death.. Puerperal Disease of the Breast. Erysipelas.. Other Dis. of the Skin & its Adnexa (Cancer except'd) Pott's Disease.. Dis. of Bones and Joints. Amputation (for unspeci- fied disease).. Still-Births.. Congenital Debility and Malformations.. Other Diseases of Infancy Senile decay.. By Cutting Throat.. Poison.. Strangulation.. Gas Poisoning.. Drowning.. Firearms.. Poison.. Fractures & Dislocations Gunshot.. Lightning.. Drowning.. Electric Cars.. Bicycles.. Railways.. Burns and Scalds.. Frozen to Death.. Strangulation.. Dropsy.. Tumors.. Other Ill-Defined Causes Lockjaw	2	1	1	6	..	..	1	4	1	..	..	..	..	11	2	6	8	7	1	1	6	
	6	6	12	15	2	7	2	3	6	8	1	1	6	6	7	8	4	5	3	1	6	
	3	6	7	10	2	2	1	5	5	1	..	..	5	4	2	4	3	3	3	3	3	
	4	3	5	..	..	2	1	..	..	..	..	1	3	1	5	1	3	..	..	..		
	3	8	9	20	4	6	13	16	12	8	3	1	21	8	13	14	8	28	6	..	..	
	..	..	..	1	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	
	1	2	1	1	1	1	4	3	1	..	..	..	..	2	1	..	..	..	..	..	..	
	4	6	9	1	5	5	3	5	3	2	..	1	3	2	3	1	6	1	..	..	..	
	..	..	..	1	..	..	..	1	..	..	..	..	..	1	..	1	..	1	..	..	..	
	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..	1	..	..	..	
	3	2	1	4	..	1	3	..	2	1	..	..	3	1	2	..	1	1	..	..	..	
	..	..	4	..	..	1	..	1	1	..	..	..	..	5	1	..	..	..	..	..	..	
	2	1	6	..	3	3	6	3	7	2	2	3	5	4	5	2	4	..	..	..	..	
	..	..	1	5	1	..	1	1	..	..	..	..	2	2	..	3	2	2	1	..	..	
	13	23	27	119	5	10	38	17	15	1	8	2	5	14	25	15	12	2	..	..	..	
	35	29	46	138	14	20	74	37	52	11	15	8	43	47	44	43	31	38	28	2	..	
	2	2	4	..	..	1	..	3	..	1	..	2	2	2	2	..	1	..	..	..	..	
	18	59	85	118	30	75	66	116	103	34	29	6	84	95	72	69	61	98	40	3	..	
	..	1	2	3	1	..	2	1	1	..	1	..	..	1	..	..	1	1	1	..	..	
	..	..	..	..	1	..	1	1	1	1	1	1	3	..	..	..	..	..	..	..	..	
..	2	1	1	..	1	..	1	1	..	..	..	2	1	2	..	..	..	..	..	..		
4	7	7	12	3	8	12	12	17	8	2	4	7	15	14	11	2	8	4	..	..		
2	1	..	1	..	..	..	..	..	1	..	1	..	2	..	..	..	3	..	..	..		
5	6	5	10	4	12	8	4	2	1	8	3	8	6	6	7	2	..	..	..	..		
1	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
1	6	..	7	1	4	3	2	3	1	2	..	15	7	4	10	6	..	..	..	..		
5	1	..	3	1	3	3	1	1	..	..	2	6	3	..	..	..	..	..	..	..		
1	..	..	..	..	1	1	..	..	..	..	3	..	..	1	..	..	..	..	..	..		
4	2	11	8	..	7	7	7	8	4	3	..	10	13	6	8	11	7	13	..	..		
1	6	7	11	5	6	6	10	6	2	1	..	5	5	11	1	6	9	5	..	..		
8	2	4	17	4	6	24	4	13	3	1	1	9	6	8	10	1	12	2	..	..		
..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..		
Totals	250	440	601	1,650	230	477	737	705	754	248	223	65	389	658	731	575	365	823	302	40		



Concluded.

## DISEASES BY COUNTIES IN 1898.

Counties.	Muskoka.	Norfolk.	Northum'd & Durh'm.	Nipissing.	Ontario.	Oxford.	Peel.	Perth.	Peterborough.	Prescott & Russell.	Prince Edward.	Parry Sound.	Rainy River.	Renfrew.	Simcoe.	Stormont, D. & G.	Thunder Bay.	Victoria.	Waterloo.	Welland.	Wellington.	Wentworth.	York.	Totals.
15	4	9	16	1	8	8	2	2	1	1	1	2	5	3	10	6	6	6	1	8	1	10	1	29
8	1	3	5	..	6	5	2	4	2	4	1	1	3	3	8	2	5	5	4	9	12	59	32	285
5	1	1	1	..	2	7	2	3	3	1	..	1	2	1	5	6	1	2	5	2	9	7	19	150
1	1	2	3	..	1	2	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	6	23	80
19	1	6	20	3	5	9	1	12	10	2	4	2	2	5	23	19	4	6	16	14	9	35	86	520
1	..	2	..	..	1	..	..	1	1	..	..	..	1	2	..	..	..	..	1	..	..	3	3	7
5	1	2	5	..	6	4	1	3	3	1	3	1	1	..	6	4	..	2	1	4	2	11	28	160
2	..	..	..	..	..	..	..	1	..	1	..	..	..	1	1	..	..	..	1	..	..	..	..	7
1	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	12
3	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	2	..	..	..	1	..	4	..	5
1	..	..	1	..	2	2	1	2	..	1	..	4	..	1	1	2	1	1	1	2	2	2	5	58
2	2	2	1	..	4	2	..	1	2	1	1	1	..	2	1	..	..	..	1	..	4	13	..	53
5	2	..	1	4	3	5	2	2	3	2	..	2	..	11	1	7	..	3	4	..	5	2	10	134
1	1	3	1	..	3	2	1	3	2	2	..	..	..	..	2	4	..	..	1	1	3	2	12	66
1	..	2	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	1	8	
1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	3	2	5	
1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	..	14	
10	4	4	19	10	19	31	3	12	25	18	1	6	6	15	34	28	5	24	17	7	14	63	1	961
8	18	18	63	49	28	39	11	27	32	136	10	23	8	60	46	57	9	29	32	27	51	79	259	1,950
1	2	1	1	1	1	3	..	..	15	..	..	1	..	..	1	1	..	..	..	..	4	3	54	
3	19	34	134	10	53	65	41	82	60	51	33	8	..	56	114	94	1	43	62	37	56	86	213	2,780
2	..	1	..	..	..	..	2	1	..	1	..	..	..	1	1	..	..	..	1	1	1	1	10	6
2	..	..	1	..	2	1	..	..	..	..	1	..	..	3	..	..	..	2	1	2	1	3	29	3
1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	11
4	..	1	1	1	1	..	..	1	..	1	3	..	..	2	3	1	..	..	1	1	1	3	1	12
4	4	6	9	6	16	3	7	6	3	7	4	5	6	15	21	6	5	9	8	9	15	34	408	
1	..	1	2	1	1	1	1	3	..	..	1	..	..	1	2	1	..	..	..	2	2	3	33	
2	5	2	5	6	5	2	..	2	7	8	6	7	3	11	9	8	1	3	4	5	3	7	13	225
1	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	11
5	3	2	13	2	1	1	3	..	3	1	2	1	2	2	1	9	5	..	1	4	3	18	156	
2	..	1	1	1	1	..	..	1	..	2	..	1	1	3	2	6	1	1	2	2	6	15	87	
2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	4	14	
4	3	3	8	4	4	8	3	4	8	8	4	2	..	7	11	10	..	7	10	11	5	2	10	280
1	1	5	10	3	10	2	8	4	6	4	2	3	4	11	7	..	2	6	2	4	8	15	258	
1	4	1	5	17	5	7	2	7	5	18	4	8	..	2	17	14	8	..	2	3	2	7	13	303
2	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	10	
196	348	877	259	503	615	245	601	481	623	224	215	119	490	872	847	96	385	554	425	593	1,104	3,571	26,370	

TABLE No. 14.  
Total Deaths by Individual Diseases in Cities in 1898.

General diseases.	Toronto.	Hamilton.	Ottawa.	London.	Kingston.	Brantford.	St. Thomas.	Guelph.	St. Catharines.	Belleville.	Stratford.	Windsor.	Chatham.
<b>I.—COMMUNICABLE (EPIDEMIC) DISEASES.</b>													
Typhoid Fever .....	32	7	20	12	11	9	1	...	4	2	1	1	4
Smallpox .....	8	...	22	1	...	...	...	3	...	...	1	...	...
Measles .....	28	10	3	9	...	2	...	2	1	2	...	...	...
Scarlet Fever .....	7	1	11	1	2	1	1	...	1	...	...	1	1
Whooping Cough .....	63	22	32	11	3	2	3	...	3	3	3	...	2
Diphtheria and Croup .....	18	1	8	3	1	3	1	...	...	...	...	1	...
Influenza .....	...	...	1	1	...	...	...	...	...	...	...	...	...
Other epidemic diseases .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>II.—OTHER GENERAL DISEASES.</b>													
Pyæmia and Septicæmia .....	58	13	14	11	4	2	2	5	5	2	2	1	4
Malarial Fever .....	3	...	...	1	...	...	...	...	1	...	...	...	...
Tuberculosis and Scrofula .....	483	109	148	64	45	23	13	21	21	15	19	23	14
Syphilis .....	7	...	3	...	...	...	...	...	...	...	...	...	...
Cancer .....	129	31	29	16	20	2	1	18	2	4	12	3	7
Rheumatism and Gout .....	12	5	...	...	1	2	3	...	3	1	2	...	2
Diabetes .....	16	4	6	4	2	...	...	...	1	1	1	1	...
Other general diseases .....	12	3	5	2	3	...	...	2	...	...	...	2	1
Alcoholism, Acute and Chronic .....	1	1	...	1	1	...	...	...	...	1	...	...	...
<b>LOCAL DISEASES.</b>													
<b>III.—DISEASE OF NERVOUS SYSTEM AND ORGANS OF SENSE.</b>													
Encephalitis .....	20	5	4	3	3	3	3	...	1	1	2	1	...
Simple Meningitis .....	35	4	21	9	2	7	1	...	1	2	2	2	3
Epidemic Cerebro-spinal Meningitis .....	28	12	9	1	5	2	...	1	1	1	1	3	1
Congestion and Hemorrhage of the Brain .....	106	32	22	24	6	7	1	10	1	4	3	2	2
Softening of the Brain .....	14	4	2	1	...	...	...	...	...	...	1	...	1
Paralysis without specific cause .....	57	13	35	16	18	4	7	2	6	3	1	5	5
Insanity .....	5	...	...	1	...	...	...	...	...	...	...	...	...
Epilepsy .....	17	...	4	3	...	1	...	1	...	...	...	...	1
Convulsions (not puerperal) .....	90	17	78	14	12	2	5	6	3	3	...	5	7
Other nervous diseases .....	6	3	4	...	2	1	...	1	1	...	...	...	...
<b>IV.—DISEASES OF CIRCULATORY SYSTEM.</b>													
Pericarditis .....	1	1	2	1	...	...	...	...	1	...	...	...	...
Endocarditis .....	14	3	1	...	1	2	...	1	...	1	2	...	...
Organic Heart Diseases .....	148	42	49	23	17	11	3	10	15	12	2	16	9
Angina Pectoris .....	2	2	2	...	...	1	...	...	...	2	...	...	2
Diseases of the Arteries, Atheroma, Aneurism, etc .....	5	...	1	...	...	...	...	...	...	1	...	1	...
Other diseases of the Circulatory System .....	22	6	10	7	8	3	4	...	3	...	9	1	1
<b>V.—DISEASES OF THE RESPIRATORY SYSTEM.</b>													
Acute Bronchitis .....	43	17	36	4	6	...	...	4	6	1	2	1	...
Chronic Bronchitis .....	19	7	4	3	4	...	...	2	1	4	3	...	1
Broncho-pneumonia .....	41	16	19	...	...	...	1	4	3	1	...	1	...
Pneumonia .....	132	53	50	25	26	19	11	6	11	13	5	10	7
Pleurisy .....	3	2	1	1	...	...	...	...	...	...	...	...	1
Congestion of the Lungs (including pulmonary apoplexy) .....	17	6	12	5	...	3	2	...	1	2	...	1	...
Asthma and Emphysema .....	14	2	3	...	2	1	...	...	...	...	1	...	...
Other diseases of the Respiratory System .....	...	1	1	...	...	...	...	...	...	...	...	...	2
<b>VI.—DISEASES OF THE DIGESTIVE SYSTEM.</b>													
Ulcer of the Stomach .....	4	...	...	...	...	...	...	...	1	...	...	...	...
Other diseases of the stomach (Cancer excepted) .....	19	3	3	2	3	3	...	...	2	...	1	1	2
Infantile Diarrhoea and Gastro-enteritis, ("Cholera Infantum") .....	182	30	158	17	15	11	6	10	6	8	3	12	10
Diarrhoea and Enteritis (not infantile) .....	13	1	5	6	3	3	...	2	2	...	1	1	...
Dysentery .....	3	1	2	2	...	...	...	...	...	2	...	...	3
Hæmorrhoids and Intestinal obstructions .....	9	2	2	5	3	1	...	3	1	2	1	...	2
Other diseases of the Intestines .....	1	...	6	...	4	1	...	...	...	...	2	...	...
Diseases of the Liver .....	26	7	10	7	1	4	2	...	...	2	...	...	...

TABLE No. 14.—Continued.

General diseases.	Toronto.	Hamilton.	Ottawa.	London.	Kingston.	Brantford.	St. Thomas.	Guelph.	St. Catharines.	Belleville.	Stratford.	Windsor.	Chatham.	Totals.
Peritonitis (not puerperal) .....	49	9	14	2	5	3	.....	3	4	1	.....	1	2	93
Hiac abscess (typhlitis, perityphlitis, appendicitis) .....	16	6	5	3	3	2	1	4	1	3	1	.....	.....	43
VIII.—DISEASES OF THE GENITO-URINARY SYSTEM.														
Acute Nephritis .....	22	3	4	.....	1	3	.....	.....	.....	1	.....	.....	.....	34
Bright's Disease .....	70	19	15	9	9	3	1	4	2	7	2	4	2	147
Other diseases of the Kidneys and Adnexa .....	2	.....	1	.....	.....	1	.....	.....	.....	1	.....	.....	.....	4
Testicular Calculi .....	9	2	.....	.....	2	1	.....	2	.....	.....	.....	1	.....	17
Diseases of the Bladder .....	19	6	8	1	3	4	.....	.....	3	.....	.....	.....	2	46
Diseases of the male Genital Organs. Gleet .....	.....	.....	1	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
Gonorrhoea .....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Other diseases of the Uterus .....	1	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
Ovarian Cysts and other Ovarian Tumors .....	3	.....	1	2	.....	.....	.....	1	1	.....	.....	.....	.....	8
Other diseases of the female Genital Organs .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
VIII.—PUERPERAL DISEASES.														
Puerperal Septicaemia .....	2	.....	3	1	.....	.....	.....	.....	1	.....	.....	.....	1	8
Puerperal Albuminuria and Convulsions .....	8	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	14
Other accidents of Pregnancy sudden death .....	10	2	.....	.....	.....	.....	1	.....	2	.....	1	1	1	18
IX.—DISEASES OF THE SKIN AND CELLULAR TISSUE.														
Erysipelas .....	9	.....	3	.....	1	.....	.....	2	.....	1	.....	.....	.....	16
Other diseases of the Skin and its Adnexa (Cancer excepted) .....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
X.—DISEASES OF THE LOCOMOTOR SYSTEM.														
St. Louis Disease .....	2	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5
Disease of Bones and Joints .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1
Amputation (for unspecified disease) .....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
XI.—MALFORMATIONS, DISEASES OF INFANCY, DISEASES OF OLD AGE.														
Still-Births .....	187	52	86	11	13	13	6	4	9	2	7	18	11	419
Constitutional Debility and Malformations .....	207	52	109	24	13	22	5	13	15	7	3	16	7	493
Other diseases of Infancy .....	.....	4	2	1	1	.....	.....	.....	.....	1	.....	.....	.....	9
Infantile decay .....	152	48	56	35	50	18	16	8	8	15	18	6	12	442
XII.—SUICIDE.														
Self-poisoning .....	8	1	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	11
Strangulation .....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	3
As Poisoning .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Drowning .....	1	1	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
Recklessness .....	1	1	1	.....	.....	.....	.....	1	.....	.....	.....	.....	1	5
XIII.—ACCIDENTS.														
Strangulation .....	3	.....	2	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	6
Fractures and Dislocations .....	25	13	6	25	6	4	2	1	1	1	4	2	2	92
Gunshot .....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Lightning .....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Drowning .....	10	4	7	4	4	3	1	2	3	.....	.....	1	4	43
Electric Cars .....	3	1	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
Cycles .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Highways .....	3	2	6	4	1	3	3	1	1	5	.....	4	1	34
Burns and Scalds .....	15	5	3	2	.....	1	1	.....	.....	1	.....	3	.....	31
Homicide .....	4	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
As Poisoning .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1
Self-poisoning .....	3	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
XIV.—ILL-DEFINED CAUSES.														
Autopsy .....	5	2	6	7	.....	1	4	.....	1	4	.....	.....	.....	30
Deaths .....	30	4	8	5	5	1	1	.....	.....	1	1	.....	.....	56
Other Ill-defined causes .....	11	4	11	5	1	1	2	.....	1	2	3	.....	.....	41
Chick-jaw .....	.....	1	1	1	.....	.....	.....	.....	1	.....	.....	.....	.....	4
Total .....	2,866	719	1,221	474	353	219	117	159	167	149	120	158	142	6,894



TABLE  
Total Deaths by Individu

General Diseases.	Barrie.	Berlin.	Bracebridge.	Brockville.	Brampton.	Cayuga.	Cobourg.	Cornwall.	Goderich.	Lindsay.	L'Orignal.	Milton.	Napanee.
<b>I.—COMMUNICABLE (EPIDEMIC) DISEASES.</b>													
1. Typhoid Fever .....	1	1	1	2	2			3	1	5			
2. Smallpox .....											2		
3. Measles .....				1			2		2				
4. Scarlet Fever .....								8				1	
5. Whooping Cough .....								1	2		1	1	1
6. Diphtheria and Croup .....		13		5									
7. Influenza .....	1	1		1									
8. Other Epidemic Diseases .....													
<b>II.—OTHER GENERAL DISEASES.</b>													
1. Pyæmia and Septicæmia .....	1	1		3	2	1	2	1		1			1
2. Malarial Fever .....	1									1			
3. Tuberculosis and Scrofula .....	13	10	4	26	10	1	6	17	5	11	1	7	8
4. Syphilis .....													
5. Cancer .....	1	4		8	1		8	2	2	3		1	1
6. Rheumatism and Gout .....	1	1			2		2						
7. Diabetes .....		1		1	1		1						
8. Other General Diseases .....					1		2	2		1			
9. Alcoholism, Acute and Chronic .....							1						
<b>LOCAL DISEASES.</b>													
<b>III.—DISEASES OF NERVOUS SYSTEM AND ORGANS OF SENSE.</b>													
1. Encephalitis .....	1	1		1						2			1
2. Simple Meningitis .....	1	2		2			2		1				
3. Epidemic Cerebro-spinal Meningitis .....				1				1		1			
4. Congestion and Hemorrhage of the Brain .....	3	7	1	7	2		1	6	2	1		3	3
5. Softening of the Brain .....							1						
6. Paralysis without specified cause .....	1						2	3	1		1	1	4
7. Insanity .....	2												
8. Epilepsy .....				1				1					
9. Convulsions (not puerperal) .....		1		1			4	5		2	1		
10. Other Nervous Diseases .....				2			1	1	1				
<b>IV.—DISEASES OF CIRCULATORY SYSTEM.</b>													
1. Pericarditis .....								1					
2. Endocarditis .....													
3. Organic Heart Diseases .....	2	2	2	19	3	1	2	4	3	8			1
4. Angina Pectoris .....	1				1		1		1				
5. Diseases of the Arteries, Atheroma, Aneurism, etc .....													
6. Other Diseases of the Circulatory System .....	2			1	2		2	1		1			2
<b>V.—DISEASES OF THE RESPIRATORY SYSTEM.</b>													
1. Acute Bronchitis .....	3	3	1	3				2		2			
2. Chronic Bronchitis .....	1	1		1			1		1				
3. Broncho-pneumonia .....				4	3			1					1
4. Pneumonia .....	9	3	3	10		1	8	3	3	6		1	2
5. Pleurisy .....													
6. Congestion of the Lungs (including pulmonary apoplexy) .....		1					1	1					2
7. Asthma and Emphysema .....							1						
8. Other Diseases of the Respiratory System .....					1								
<b>VI.—DISEASES OF THE DIGESTIVE SYSTEM.</b>													
1. Ulcer of the Stomach .....													
2. Other Diseases of the Stomach (Cancer excepted) .....										1			
3. Infantile Diarrhoea and Gastro-enteritis ("Cholera Infantum") .....	5	6	1	10			2	14	2	6	1		1
4. Diarrhoea and Enteritis (not infantile) .....		1	1				2	2		1			
5. Dysentery .....		1			1			1		1			
6. Hernia and Intestinal obstructions .....			1	2			1	1		3			

5.

## Diseases by Towns in 1898.

North Bay.	Orangeville.	Owen Sound.	Parry Sound.	Peterborough.	Pembroke.	Perth.	Picton.	Port Arthur.	Rat Portage.	Sarnia.	Sault Ste. Marie.	Simcoe.	Toronto Junction.	Walkerton.	Welland.	Whitby.	Woodstock.	Total.
1	1	4	2	7	4		1		12	5			1				2	57
				1	1				1									5
		4			1				2				1					9
1		1	3	2		1		1	1	2		1	4			1		14
								1				1						41
														1				7
	1	5		2	1	4	2		4	4		2						1
5	5	12	4	1				6	6	10	5		1		2		5	48
	1	4		8	1	3	1		1	3		5	8	4	3	4	11	267
1	1			1		1			1			1	2	1	1	4	3	69
		1		1			1		2	1	1							9
													1				1	9
												1						12
																		3
				1	2			1	1	2								
		4		2			2			1			1	1	1		2	14
		2			2			1				2		2	1		1	21
			1	5	3	1		3	2		1	1		2	1		2	15
	4	5		3	1	2	1	1	1	3	3	2	2	3	3		1	58
				2	2								3	1			2	5
4		1	3	5	3				2	5								54
		1		1									4		1	2	2	3
																		6
		1																7
		1	1		1													
	1	13	3	11	5		2	2	3	1	2	2	1	1	1	1	12	3
																		108
			1	2		1												5
	3			3		1	4	1	2	1		2			2		1	4
																		32
				3		1		3	2	4	1	1	2			1		
1		1					1							1				34
1	1	7		6	1	1	3	2	1	4	1	2	1			1	1	10
									1				1					16
									1				1			3	12	95
1																		1
	1								1	1	2	1				1	2	16
												1					1	3
										1								1
				2				3										7
2		8	3	4	5	1	1		7	4	4	5	11	1	3	2	3	113
1		1		2					1	1			1	3				18
	1	1		1		1					1			1				6
				1														12

General Diseases.	Barrie.	Berlin.	Bracebridge.	Brockville.	Brampton.	Cayuga.	Cobourg.	Cornwall.	Goderich.	Lindsay.	L'Orignal.	Milton.	Napanee.	Niagara Falls.
VI.—DISEASES OF THE DIGESTIVE SYSTEM.— <i>Continued.</i>														
7. Other Diseases of the Intestines ..	1	...	...	...	...	...	2	...	1	1	...	1	...	...
8. Diseases of the Liver ..	...	1	...	...	...	...	2	...	1	1	...	1	...	...
9. Peritonitis (not puerperal) ..	1	2	...	1	...	...	...	...	1	...	...	...	...	...
10. Iliac abscess (typhlitis, perityphlitis, appendicitis) ..	1	1	1	...	...	...	...	1	...	1	...	...	...	...
VII.—DISEASES OF THE GENITO-URINARY SYSTEM.														
1. Acute Nephritis ..	...	...	...	2	...	...	...	1	1	...	...	...	...	...
2. Bright's Disease ..	3	7	...	5	...	...	3	7	...	1	...	...	2	...
3. Other Diseases of the Kidneys and Adnexa ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4. Vesical Calculi ..	...	...	...	...	...	...	...	...	1	...	...	...	...	...
5. Diseases of the Bladder ..	...	...	...	1	...	...	1	...	...	...	...	...	...	...
6. Diseases of the male Genital Organs ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7. Metritis ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8. Other Diseases of the Uterus ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
VIII.—PUERPERAL DISEASES.														
1. Puerperal Septicæmia ..	...	1	...	...	...	...	...	...	...	...	...	...	...	...
2. Puerperal Albuminuria and Convulsions ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3. Other accidents of Pregnancy sudden death ..	...	...	...	1	...	...	1	...	...	...	...	...	...	...
4. Puerperal Disease of the Breast ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IX.—DISEASES OF THE SKIN AND CELLULAR TISSUE.														
1. Erysipelas ..	...	...	...	...	1	...	...	...	...	...	...	...	...	...
2. Other Diseases of the Skin and its Adnexa (Cancer excepted) ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
X.—DISEASES OF THE LOCOMOTOR SYSTEM.														
1. Pott's Disease ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2. Diseases of Bones and Joints ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3. Amputation (for unspecified Disease) ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
XI.—MALFORMATIONS, DISEASES OF INFANCY, DISEASES OF OLD AGE.														
1. Still-Births ..	5	8	...	...	2	...	...	1	...	4	...	...	...	...
2. Congenital Debility and Malformations ..	4	10	3	13	2	...	6	10	...	9	1	...	4	...
3. Other Diseases of Infancy ..	...	...	...	...	...	...	...	...	1	...	...	...	...	...
4. Senile Decay ..	10	11	3	12	4	...	15	9	7	10	...	1	6	...
XII.—SUICIDE.														
1. Poison ..	...	...	...	1	...	...	...	...	...	...	...	...	...	...
2. Strangulation ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3. Gas Poisoning ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4. Drowning ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5. Firearms ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
XIII.—ACCIDENT.														
1. Poison ..	...	...	...	...	...	...	...	...	...	...	...	1	...	...
2. Fractures and Dislocations ..	1	2	...	2	...	...	1	...	1	...	...	...	1	...
3. Gun-shot ..	...	...	...	...	...	...	...	2	1	2	...	...	...	...
4. Drowning ..	1	1	...	1	...	...	...	...	...	...	...	...	...	...
5. Electric Cars ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6. Bicycles ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7. Railways ..	1	...	...	5	...	...	1	...	...	...	...	...	...	...
8. Burns and Scalds ..	...	1	...	...	...	...	1	2	...	...	...	...	...	...
9. Hanging ..	...	...	1	...	...	...	...	...	...	...	...	...	...	...
XIV.—ILL-DEFINED CAUSES.														
1. Dropsy ..	...	3	...	1	...	...	1	...	...	...	...	...	...	5
2. Tumors ..	1	2	...	3	...	...	1	2	2	2	...	...	...	...
3. Other Ill-Defined Causes ..	1	2	...	...	...	1	...	2	1	...	...	...	...	...
Total ..	80	113	23	160	41	7	91	118	42	90	4	18	46	...



Continued.

Orangeville.	Owen Sound.	Parry Sound.	Peterborough.	Pembroke.	Perth.	Picton.	Port Arthur.	Rat Portage.	Sarnia.	Sault Ste. Marie.	Simcoe.	Toronto Junction.	Walkerton.	Welland.	Whitby.	Woodstock.	Total.
	1	1	1	1	1	1			2			2				4	3
	1	1	1	2	2				1							1	22
		1					1	1	2	2						1	17
																	16
2	2		3	3		2	3	1	2		1	1	1		2	2	8
			1												2	3	54
1			1													1	2
			1														5
1			1						1								3
		1		1												1	4
					1							1				1	2
						1			1							3	7
											1			1			3
	1								1							1	3
1	7	2	9				3	5	7	4		6	1	1		6	73
7	9	3	8	7	6	2	5	6	7	8	1	8	1	2	5	3	157
3	4	16	10	4	4	10	1		9	3	4	2	7	3	6	9	185
	1											1				1	4
	1										1						2
	1																1
1	1	1	2	1		2	3	5	3	2	1		1	1			3
1	3	2	3	1	1	2	1	3	1			1					31
			1														3
												1			1		25
					2	1	1	2	1		1	1					1
								1	1	1							2
								1									16
																	7
					2	1						1	2	1		1	18
	1		2			2		2					1			1	21
			1					1	2				1				13
29	123	33	154	66	43	53	45	86	90	44	40	71	37	28	35	105	1,991

## Deaths from Consumption

Counties.	Agents.	Artists.	Architects.	Bakers.	Barbers.	Butchers.	Bacterias.	Bookkeepers.	Bookbinders.	Blacksmiths.	Blacksmiths.	Blacksmiths.	Builders and contractors.	Carpenters.	Cabinetmakers.	Carpenters.	Cooks.	Chemists and druggists.	Clergymen.	Clerks.	Cheesemakers.	Cigar-makers.	Commercial travellers.	
Algoma														3								1		
Brant	1																							
Bruce				2		1		1		1				4						2			2	
Carleton																								
Dufferin					1	1																1		
Eggn																								
Essex				1	2		1			2	1			1					1					
Frontenac																								
Grey				1				1						1						2				
Haldimand																								
Halliburton																								
Halton				1																	2			
Hastings																								
Huron					1		1	1			1										1			
Kent				2																				
Lambton														1										
Lanark										2														
Leeds and Grenville				1	1									1	1				1	1	2	1		
Lennox and Addington	1					1																		
Lincoln										1	1	1			1		1			2			1	
Midland															1					2				
Muskoka																								
Norfolk																								
Northumberland and Durham																				1	2			
Nipissing																	1				1			
Ontario					1			3						1	1									
Oxford					1						1													
Peel	1	1																	1					
Perth																								
Peterborough								1													3			
Prescott and Russell																								
Prince Edward																				1				
Parry Sound										2														
Rainy River																								
Renfrew								1						1							2			
Stormont, Dundas and Glengarry					1			1																
Simcoe	1			1												1		1						
Thunder Bay																								
Victoria						1																		
Waterloo					1									1						1				
Welland																								
Wellington								1		1				1							1		2	
Wentworth								2		1				1			1		1		4		1	
York	2		1	2	3	3	1	2	2				1	4						14			1	
Totals	5	1	2	6	16	7	3	19	3	12	2	1	1	21	8	3	1	4	4	7	45	1	3	7

No. 16.

## Ontario by Occupations in 1898.

Dressmakers.	Engineers.	Electricians.	Engravers.	Editors.	Farmers.	Furriers.	Factory hands.	Gardeners.	Gentlemen.	Hunters and fishermen.	Housewives.	Harness makers and Saddlers.	Hotelkeepers.	Labourers.	Lumbermen.	Lawyers.	Liverymen.	Masons.	Machinists.	Merchants.	Mechanics.	Milliners.	Milkmen.	Manufacturers.	Millers.	Moulders.	Musicians.	Nurses.	Nuns.	Painters.	Pedlars.	Physicians.	Plasterers.	Plumbers.	Printers.	Photographers.	
1	1	1	1	1	6	4	1	1	1	1	5	1	1	4	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	16	16	1	1	1	1	22	1	1	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	7	7	1	1	1	1	7	1	1	13	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	9	9	1	1	1	1	15	1	1	5	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	6	6	1	1	1	1	23	1	1	7	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	18	18	1	1	2	2	21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	5	5	1	1	1	1	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	3	3	1	1	1	1	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	14	14	1	1	2	2	25	1	1	1	7	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	9	9	1	1	1	1	15	1	1	6	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	11	11	1	1	1	1	22	1	1	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	11	11	1	1	1	1	15	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	9	9	1	1	1	1	16	1	1	5	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	17	3	1	1	1	1	30	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	3	6	1	1	1	1	11	1	1	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	14	14	1	1	1	1	18	1	3	5	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	5	5	1	1	1	1	12	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	14	14	1	1	1	1	21	1	1	10	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	2	2	1	1	1	1	3	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	12	6	1	1	1	1	18	1	1	4	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	7	7	1	1	1	1	22	1	1	7	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	10	10	1	1	1	1	10	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	16	16	1	1	1	1	21	1	1	7	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	8	8	1	1	1	1	14	1	1	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	3	3	1	1	1	1	9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	7	7	1	1	1	1	10	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	3	3	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	7	7	1	1	1	1	12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	21	21	1	1	1	1	32	1	1	7	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	7	7	1	1	1	1	25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	8	8	1	1	1	1	1	1	1	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	17	17	1	1	1	1	17	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	6	6	1	1	1	1	8	1	1	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	6	6	1	1	1	1	21	1	1	5	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	5	2	2	2	15	2	1	1	1	1	74	3	8	34	1	1	1	1	2	5	2	2	2	2	2	2	3	1	1	5	3	1	1	11	1	1	
2	5	2	2	2	354	2	4	2	21	1	693	3	8	193	4	7	2	5	12	30	11	6	2	5	4	5	5	2	7	17	5	2	2	4	20	2	



TABLE No. 16.—*Concluded.*

Deaths from Consumption in Ontario by Occupations in 1898.

Counties.	Public officials.	Policemen.	Railroad employees.	Servants.	Students.	Stonecutters.	Shoemakers.	Sailors.	Seamstresses.	School teachers.	Spinsters.	Tailors.	Tinsmiths.	Teamsters.	Telegraph operators.	Telephone operators.	Tanners and curriers.	Volunteers, soldiers and pensioners.	Undertakers.	Veterinary surgeons.	Watchmakers and jewellers.	Weavers.	No occupation given.
Algoma				2	1			1			2												2
Brant				1							2												6
Bruce				1	1	1					8	2											7
Carleton	4		2	8	4		1		1		27	1	3										26
Dufferin			1	1							1												7
Elgin			1	1	1				2		1	1		1									8
Essex			1	2	1			2	2		1			1									17
Frontenac				2	1				2					1			1						28
Grey				2				2		1													27
Haldimand																							6
Haliburton																							1
Halton					1							1											3
Hastings					1																		19
Huron											19				1								5
Kent				1	1		1																26
Lambton	1				1																		13
Lanark			1	1	1							1	1										14
Leeds and Grenville			1	2	4					1		1	1	1									32
Lennox and Addington	1																						9
Lincoln				3	2	1		1		1					1	1	1						4
Middlesex			1	1	3	1	1	1			1				1	1	1						32
Muskoka					1																		5
Norfolk																							7
Northumberland and Durham					2	1			1			4	1	1	1								19
Nipissing					1																		5
Ontario				1	1				1		5												7
Oxford			1	1	1				2		3	1											3
Peel					1	3																	12
Perth			1	2	1	1					14	1							1				8
Peterborough			1		1				2														17
Prescott and Russell									1														25
Prince Edward							1																6
Parry Sound																							3
Rainy River											2												4
Renfrew					4						1												4
Stormont, Dundas and Glengarry	1	1		1					2		5												11
Simcoe				1				1	3		14	1					1						23
Thunder Bay							1																29
Victoria																							1
Waterloo				2							11			1									7
Welland	1		2			1																	9
Wellington					1				1	4			1										5
Wentworth				1	1						2		1										11
York	1	2	14	7	2	3	1	4	1			1		2						1	2		41
Totals	7	3	12	51	42	11	9	9	14	20	131	12	3	10	3	2	2	1	1	1	6	3	666







REPORT  
RELATING TO THE REGISTRATION OF  
BIRTHS, MARRIAGES AND DEATHS  
IN THE  
PROVINCE OF ONTARIO  
FOR THE  
YEAR ENDING 31<sup>ST</sup> DECEMBER  
1899.

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PRINTED BY ORDER OF THE  
LEGISLATIVE ASSEMBLY OF ONTARIO

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1901.

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WARWICK BROS & RUTTER, PRINTERS.  
TORONTO.

OFFICE OF REGISTRAR-GENERAL FOR ONTARIO,

TORONTO, December 1st, 1900.

To Sir OLIVER MOWAT, K.C.M.G.,

*Lieutenant-Governor of the Province of Ontario.*

MAY IT PLEASE YOUR HONOUR:

In compliance with the Statute in that behalf, the undersigned respectfully presents to Your Honour the Annual Report of Births, Marriages and Deaths for the year ending 31st December, 1899.

Respectfully submitted.

J. R. STRATTON,  
Registrar-General.

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# THIRTIETH ANNUAL REPORT OF THE REGISTRAR-GENERAL OF ONTARIO.

TORONTO, December 1st, 1900.

To the Honourable J. R. STRATTON,

*Registrar-General of the Province of Ontario.*

SIR,—I have the honor herein to present for your consideration the thirtieth Annual Report regarding Births, Marriages and Deaths in the Province of Ontario, it being for the year 1899.

## Population.

In the absence of any census in 1899 the basis upon which the population for the year is calculated is the addition of one per cent. increase to that adopted in 1898, this being a rough estimate of the average yearly increase of births over deaths during the past ten years. This gives a population of 2,302,705. In the Report for 1898, the fact of still-births not being registered as births as well as deaths was referred to. This error has been lessened in 1899 through the Division Registrars more regularly registering such as births as well as deaths.

## Births.

The total births recorded in 1899 were 44,705, as compared with 46,599 in 1898, showing a decrease of 1,894 and a rate per 1,000 of 19.4 as compared with 20.4 in 1898.

Of this number the cities showed a decrease of 242, the rest of the Province giving 1,652. With the assessors' returns showing a total increase of urban populations in the thirteen cities having 10,000 population of 7,089, it becomes necessary to again refer to the fact that whether from imperfect registrations or other causes, the population of the Province shows an almost yearly decreasing birth-rate.

Of the 44 counties which include the territorial districts, only 11 show an increase, these being Algoma 9, Brant 54, Lennox and Addington 5, Lincoln 15, Middlesex 36, Muskoka 58, Prescott and Russell 37, Prince Edward 13, Renfrew 9, and Rainy River 2; while of the 13 cities, only 6 show any increase, London giving 37, Brantford 5, St. Thomas 29, St. Catharines 2, Windsor 6, and Chatham 12.

Decreases have occurred in the three largest cities, Toronto showing 116, Hamilton 56, and Ottawa 93, or a total of 365. The towns which in 1898 showed a decrease of 74, show in 1899 only 92, this being, however, but a slight improvement in a population of 150,095.

Several counties which showed an increase in 1898, now show notable decreases. Thus, Carleton with an increase in 1898 of 96, shows in 1899 a decrease of 144; Essex with a previous increase of 44, shows a decrease of 101; Wellington with 52 in 1898, as in 1899 a decrease of 179; while Wentworth transforms an increase of 157 into a decrease of 207. Almost all the older settled agricultural counties, with few towns or cities, show decreases; but perhaps slightly less marked than in the previous year. Thus, Bruce has 66, as compared with 157; Kent 69, as compared with 89; Lambton 27, as compared with 61; Ontario 12, as compared with 49; Peterborough 36, as compared with 59; while Renfrew shows a slight actual increase as compared with a decrease in 1898 of 169.

With regard to the completeness of birth returns, what was remarked in the Report for 1898 may to some extent be repeated for 1899. Thus it was then stated :

"Until the Registrar-General is supplied by the city municipalities with returns approaching correctness, it is useless to attempt to draw any conclusions as to the causes of decreasing birth-rates, or for the public to expect to find in the future in the Registrar-General's department records of returns which have never been made."

As the returns for Toronto had been notably on the decline, the Division-Registrar has with the Provincial Inspector, taken steps for improving returns by the issue of a circular notifying the public of the penalty for non-registration. Several summonses have been issued, and by the imposition of fines, it is trusted the returns will be made more complete.

In order to show that the conclusion arrived at in past reports regarding the birth-rate is largely true, it may be stated that since notification was sent by circular to the Toronto physicians in May, 1900, once more pointing out the law and threatening the imposition of the penalty, the birth-rate was increased by months as follows :

*Table of Births in Toronto by Months, in 1899-1900.*

—	1899.	1900.	—	1899.	1900.	—	1899.	1900.
January.....	353	365	May.....	354	405	September.....	319	328
February.....	306	287	June.....	320	325	October.....	295	332
March.....	373	378	July.....	379	479	November.....	284	368
April.....	348	390	August.....	385	391	December.....	290	432
Total.....							4,006	4,530

The result shows an increase of about 12.5% over 1899.

That, however, there seems in other countries a somewhat downward tendency in the birth-rate, is gathered from recent reports. The Registrar-General of England in 1898, states that the rate is the lowest ever recorded since 1838, when the work first began, it being 29.4 per 1,000, and being 1.1 below the ten year's average. There, too, different counties vary greatly; thus, Rutland has only 22.9 and Oxford 24.1, while Staffordshire has 35.0, and S. Wales, 33.4 per 1,000.

In Scotland again the general rate in 1898, was 30.8 and while principal towns had 32.3, the insular rural districts had but 22.6.

In Ireland again, 1898, the variations were even more remarkable; for while Antrim had 30.9 and Dublin 23.6, Cavan had 17.4, and Roscommon but 16.8 per 1,000. The total average rate was relatively very low, being only 23.2.

The more recent figures with annual rates estimated from the returns of the first half year of 1900, give similar interesting figures for several American districts. Thus the Connecticut returns, practically complete it is believed, give a rate of 24.4 per 1,000; while Buffalo has 20 per 1,000 Baltimore has 32 per 1,000, but with a large negro population; New York City has a rate of 22.1 per 1,000, while St. Paul's rate was as low as 16.4 per 1,000.

The several illustrations, taken from the Reports of England, Ireland and Scotland, show clearly what notable differences in birth-rates occur under different industrial and social conditions. In Ireland for instance, county rates are in some instances remarkably low, that of Cavan being 17.4. It will be noticed that in the counties with the lowest birth-rates, the marriage rate is also abnormally low. In Scotland again, where in the rural areas, the population may be said to be stationary or on the decline, the birth-rate similarly shows a very great difference from the average, it being in the remote insular areas only 22.6 per 1,000.

In England again from Rutlandshire, an inland rural, to a busy industrial district like S. Wales, the birth-rate varies from 22.9 to 33.4, increasing in Staffordshire to even 35 per 1,000.

With similar industrial conditions existing in Ontario, we might expect similar variations in the birth-rates; but the remarkable fact may be seen by reference to Table 1,



at for some cause or causes some of the counties having the largest urban populations, Middlesex being the most remarkable in this respect, show a birth-rate of but 14.6. As however the marriage-rate and death-rate are both in this case below the average, it is probable that a practical explanation is found in the estimated population being too large, thereby making the divisor too great. A similar error may be presumed to exist in Algoma, where the estimated population is manifestly much too low, as all the rates are excessive for such a district, or the divisor too small. It is, however, not improbable that causes, similar to those in the rural areas of Scotland and Ireland, may exist in the settled counties, as Prince Edward, Peel, Haldimand, and Leeds and Grenville, to account for such low birth-rates as 14.2 and 15.5, 14.5 and 14.6 respectively. The most disappointing fact remains that the cities, to which it may be assumed many of the rural population migrate, have not shown a proportionate increase in births. In view, however, of the probable inaccuracies in the populations of some municipalities, it may perhaps be well to defer dealing in more detail with individual returns, especially as in 1901 the census returns will give a new and accurate basis for estimating the several rates. It suffices to say that the returns of many other countries, states and cities show the same variations, which in most instances seem to be due to some of the several causes already referred to.

### Marriages.

The total marriages returned for the year were, 16,514, giving a rate of 7.1 per 1,000, being an increase of 1,139 or 0.4 in the rate over 1898, giving of persons married 2 per 1,000. This is of interest as being in keeping with the general law established by Dr. Farr, the first Division-Registrar of England, that the marriage-rate with the increase in wheat was the most delicate index of general prosperity which statistics give. As the Registrar-General of England notes that in 1898 the marriage rate had risen in successive years from 1894 to 1898, from 14.7, 15.1, 15.0, 15.8 to 16.0.

Remembering the low rate in Ireland of births, we find its complement in the low rate of marriages, this being 4.97 per 1,000, in 1898; but there is nevertheless, as in England, an increase of 0.28 over the rate for the previous ten years.

The rates in Ontario for the several years since the Act of 1896 went into force, simplify both a greater accuracy in returns and a definite increase in the rate, as:—

Total marriages in 1895, were.....	13,987
“ “ 1896, “ .....	14,904
“ “ 1897, “ .....	15,293
“ “ 1898, “ .....	15,375
“ “ 1899, “ .....	16,514
“ “ 1900, “ (First half year) 669 of increase over 1899.	

The only regrettable feature of these statistics of marriages in Ontario is the abnormally high rate which has for several years existed in Windsor especially, and several other border towns. In Windsor alone, 737 were recorded in 1899, being about 650 above the probable number of marriages of residents, and which if subtracted would make the rate in Ontario, 6.89.

As regards the distribution of marriages by counties, where no exceptional conditions as that just indicated exist, or that of the abnormally low population estimated for Algoma, the marriage-rate per county is fairly uniform; nevertheless several instances as in Hamilton, with 4.8 and Peel with 4.1 indicate a fact of interest perhaps before alluded to, that certain old settled agricultural districts wherein are no growing towns, seem likely to be in the position of some of the older counties of England, where the draft of young men to the cities leaves a young population of whom there is a disproportion of males, and marriages are fewer and the age at marriage perceptibly higher.

**MARRIAGES IN CITIES.**—As might naturally be expected from the general increase of population the marriage rate in the cities shows an increase of 238, or an increase of 0.238 per 1,000.

If the rate for Windsor be reduced to the average of the other cities, the rate would be 10.0 per 1,000, which remembering the tendency for persons from surrounding districts to the cities to be married is not abnormally high. It is of further interest to note that the rate for the towns is similarly high, being 10.8 per 1,000.



The completeness of the returns affords much ground for satisfaction, and while it is to be expected that the clergymen will yearly make complete returns, it is of great moment that the simple expedient of having a notice reach the Registrar-General of every license issued supplies a method of insuring practical completeness of returns. The following figures show how many marriages were not recorded within the period required by law, but which by subsequent search have been obtained.

RESULT OF SEARCHES.—The total marriage license cards received at the office of the Registrar-General were 13,738 in 1898 and 14,740 in 1899, or an increase of 1002. Of this latter number 3960 were found not to have been recorded in the municipalities where the licenses were issued. After the usual correspondence with Division Registrars 980 of these were found not to have been recorded and were obtained from the clergymen, while the balance were, on search, found to have been recorded in the municipalities where the marriages were celebrated.

DISTRIBUTION OF MARRIAGES BY MONTHS.—In Table 7 will be found a statement of the distribution of the total 16,514 marriages arranged as celebrated in the several months. The two months, June and December, hold as usual the first place; but it is interesting to note that this year for a second time June has surpassed December in the number recorded. Thus in 1897, December exceeded June by 214, but in 1898, June exceeded by 209 and in 1899 by 19. The falling off in June was seemingly made good by an increase of 105 in May. It would seem to mark an increasing tendency to make the months leading up to the National holiday, a holiday period like the old Christmas time when marriage festivities naturally become a part of the general national rejoicing.

### Marriage Laws of Ontario; Old and New.

The gradual increase in the old records of Upper Canada, which by an amendment to the Act are forwarded by Registrars and Clerks of the Peace of Counties to the Registrar-General, makes not only a very important addition to the records, which year by year are being increasingly sought after in the matters of heirship; to land and other legal questions, but supply many matters of interest to the historian searching for facts regarding the periods of settlement of the Province, and to the sociologist who may gather much information with regard to the laws which gave expression to the ideas of the people of church and state during the century which has gone. The Act of 1791 being 31, G. III. is a document of considerable length and deals with a large number of matters regarding to the then Province of Canada, and of the part afterwards to be called Upper Canada.

The population of what became Upper Canada was, in 1784, estimated at 10,000 and probably 20,000 in 1791, made up chiefly of United Empire Loyalists who were *émigrés* from the United States. They represented Dutch settlers, especially from New York State, as well as Hessian soldiers and descendants of Huguenots, while from the Eastern States came descendants of Puritans in less numbers, and Quakers even from Pennsylvania, who had been loyalists, were forced to find new homes in Upper Canada. Remembering that the great number of these had been frontiersmen of New York State living in no large settlements and intermingled with the Indian tribes of the district there was naturally, under all the conditions of a long rebellion and inter-racial feud of ten years and the forced emigration of thousands expelled from the United States in 1783, a very serious disturbance of family relationship, and, with the taking up of the rights of a new citizenship, an urgent need for the establishment of society on some legal basis, both in the matter of morality and the inheritance of property.

To this end we find as early as 1793 an Act was passed "To confirm marriages hitherto contracted in Upper Canada."

1st. Its provisions briefly stated were, that owing to there having hitherto been no Protestant ministers or parsons in Upper Canada and no Protestant churches or chapels for solemnizing marriages in, all marriages publicly contracted before any magistrate, commanding officer of a military post, or adjutant or surgeon of a regiment, acting as chaplain, or before any other person in any public office or employment, was confirmed and their children made to assume all the rights of legitimacy. Further, a confirmation oath of any marriage made within the subsequent three years before any district magistrate, legalized any marriage not otherwise recorded.

2nd. The Clerk of the Peace of the district was required, on receipt of 2s. to record such attestation in a book kept for the purpose and was to receive 2s. for a certified copy of the same.

3rd. Until there were five parsons of the Church of England in any one district doing duty in their parishes, persons living beyond eighteen miles from any minister could apply to the Justice of the Peace, who was empowered and required to make public notice, calling on all persons to object if there be any, and to have notice given for three Sundays. Thereafter he might solemnize a marriage after the form of the Church of England, and give a certificate, charging 1s. and no more; it requiring to be signed by two witnesses. The Clerk of the Peace was required to keep a record of all marriages.

4th. Such magisterial powers were to cease so soon as the Governor notified the magistrates of Quarter Sessions of any district that there were five or more clergymen of the Church of England settled therein, after which magistrates would be fined £20 should they perform the ceremony.

5th. Validity did not depend upon marriage in any chapel and forging a certificate of marriage was punishable by one year's imprisonment.

It will be noted that the power to celebrate ecclesiastical marriages was limited to clergymen of the Church of England, and on reference to the British Act of 1791 the situation is made plain. Under it, especially in view of the fact of the recent revolution in the States of the Union, it seems to have been especially provided that a clergy, loyal to the crown, be set over the new colony, for it provides that lands both in Lower and Upper Canada be set apart for the benefit of the Protestant clergy; while in Upper Canada the Lieutenant Governor was given power to set apart lands in each district with a parsonage, for the support of a Protestant clergy, belonging to the Church of England, and further, that the Lieutenant Governor had the right to present a rector or incumbent duly ordained to each parish to hold all rights and emoluments, the same as of an established church in England. It is interesting to note that all such clergy were under the jurisdiction of the Bishop of Nova Scotia.

The *caveat* exists in the British Act that while it may be altered by Acts of the local Legislatures, any such Acts would not be legal until after they had been laid for thirty days before both Houses in England. As was to be expected, however, in a Province whose settlers for the first thirty years of its history were largely from the United States, whether of English or Dutch descent, that the laws which had served there would seem naturally applicable in the new settlement, since we find that in the earliest settlements the people introduced as early as 1792, the annual town meeting, and the nucleus of a municipal system such as had governed in the revolted colonies. The Puritans of New England and the Dutch Protestants of New York would carry out their own religious usages, and so it early became necessary for the Lieutenant Governor-in-Council to provide as was done in 1798 for the celebration of marriage by dissenters.

Thus, the Provincial Act (cap. 4, 38 G. III) made it legal: 1st. For any minister of any religious community proper to the Church of Scotland, or Lutherans or Calvinists to celebrate a marriage between any two persons, one of whom had belonged to the said religious community at least six months before time of marriage.

2nd. That such ministers must have been ordained or appointed according to the form of his church, and shall have come before the Justices of the Quarter Sessions, when not less than six magistrates and the chairman were present, and shall have with him seven respectable persons of his communion and must produce thereat proof of his ordination and must swear allegiance to His Majesty, the King. The Justices might then grant him a certificate under Seal of the Court and signed by the Chairman and the Clerk of the Peace, which latter got 5s. for the document, it containing the names of persons present.

3rd. Such ministers had to make application to them by giving notice at a previous meeting of Quarter Sessions, said application to be in the meantime posted up, the clerk got 5s. for his duties.

4th. Such ministers could only marry by banns published for three Sundays, had to register every marriage with the Clerk of the Peace and give a certificate to the contracting parties.

5. By this Act any marriages celebrated by any such ministers between 1793-1793 were validated.



It is evident by the references in the Sessional Papers of subsequent years that case of individual hardship still existed; and in 1818 (cap. 14-15, G. III., 59) the Act of 179 and three years were again given to have all irregular marriages registered. The contracting parties had to take an oath that they were married on or about a certain date and the affidavit had to be signed by one or both parent if living. The Clerk of the Peace had to register the marriage and received a fee of 2s. therefor. As there were evidently irregulars in the field a short Act was passed in 1821 making it a misdemeanor for unauthorized persons to solemnize marriage; and the Quarter Sessions Court had no jurisdiction, and the proof lay on the defendant to prove the validity of his ministerial rights.

No further legislation seems to have been enacted till 1831, when "An Act to make valid certain marriages heretofore contracted and to make provision for the future Solemnization of Matrimony" was passed.

Referring to unregistered marriages, the Act provided:—1st. That it would be lawful at any time within six years hereafter for persons to present evidence of marriage and of the birth of children before a magistrate, also administer an oath to either parent. The Clerk of the Peace had to register the marriage and give certificate, for which a fee of 2s. 6d. for registering and 2s. for certificates was received.

2nd. It further provided that it would be lawful for any minister of the Church of Scotland, Lutheran, Presbyterian, Congregationalists, Baptists, Independents, Methodists, Mennonites, Quakers, or Moravians to celebrate marriages under the conditions:—

- (a) That they were subjects of His Majesty, and made oath before the magistrate.
- (b) That they could produce evidence of ordination or appointment.
- (c) That they gave satisfactory proof to the Court of Quarter Sessions and paid the Clerk of the Peace 5s. for a certificate.
- (d) That they proclaim banns for three Sundays before marriage.
- (e) That the minister gave contracting parties a certificate containing the names, date of marriage, the signatures of two witnesses.
- (f) All marriages whether by license or banns must be returned once a year to the Clerk of the Peace, who was to receive therewith 2s. 6d. and enter the same in a special register for the above denominations. A copy of the register was a legal proof of marriage and cost 2s.
- (g) Ministers neglecting to make returns were liable to a fine of £40, half the money going to the informer.

It will be noticed throughout all this legislation that no reference has at any time been made to ministers of the Established Episcopal churches, and that matters continued the same till 1847, when an "An Act to extend the Provisions of the Marriage Act to Ministers of all Denominations" was passed. Its preamble refers to the Act of 1831, and confirms the powers then granted to such ministers, subject to the conditions mentioned in that Act, viz., they must be subjects of His Majesty, must make affidavit before the Registrar of the county in which they officiate, and must produce certificate of ordination.

The County Registrars, who have come into existence with the Act of Union of 1840, are henceforth to keep the register of such oaths of allegiance and of certificates and granted a certificate on receipt of 5s. The Act provided that nothing in it was to affect any existing rights to celebrate marriages. The notable change in the Act was that it became no longer necessary for any minister to give proof of his ordination before the Quarter Sessions or to obtain a certificate of the court, his compliance with the general provisions of the Act being deemed sufficient. The Act was distinctly applicable only to Upper Canada.

The year 1847 was notable likewise in having passed "An Act for Taking a Census and Obtaining Statistical Information Thereon." Under this Act it became the duty of every clergyman or minister authorized to baptize, marry or bury in Upper Canada to keep a Registry, shewing the persons he had married, baptized or buried belonging to his congregation. The Clerk of the Peace was required by law to provide the register; and the minister had to forward the register to the clerk of the city, or town, or to board of police within 5 days of the 1st of January, April, July and October. In cases where there were no clergy, each head of a family, and every church without a resident clergy-



n, were to supply information to the township clerk or the nearest clerk. All returns re to be made yearly by these to the Clerk of the Peace. The Provincial Board of gistration included the Receiver-General, the Provincial Secretary, and the Inspector-general.

Short acts were passed in 1849, 1855, and 1861 for amending dates for making urns and for legalizing certain unregistered marriages, but no further Acts of importance occurred until those included in the Acts passed since Confederation. The Act of 59, Cap. 72, contained provisions for registration of marriages, making the law much as s to-day. The Act required a clergyman to keep a register and immediately on solemnion of a marriage register it therein, and yearly had to forward a copy to the county istrar and transmit \$1.00 one dollar as the cost of having entry made in the county ister. A copy of the marriage from the register became a legal proof of marriage. rgy men were liable to a fine of \$4 per day for every day they delayed making the al return; but Clerks of the Peace were required to supply all clergymen with isters.

Thus the Acts stood till 1868, when an Act, 32 and 33 Vict., was passed by the tario Legislature known as the "Act respecting Births, Marriages and Deaths." Under s Act the Provincial Secretary became the Registrar-General, while the Clerks the Peace were made District Registrars to receive returns from the Municipal Clerks d transmit them to the Registrar-General. In 1875, under an amendment to the Act, District Registrars disappeared and the Municipal Clerks were brought into direct ationship with the Registrar-General.

In a circular issued Jan. 15, 1870, by the first Registrar-General, Matthew Crooks meron, we find set forth: "There is now no other legally enforced return of marriages ebrated in this Province. Under these circumstances, clergymen have additional sons for strict compliance with the Act. They have a monopoly as to the celebration the marriage contract, and the Marriage Act authorizes the exaction of a fee for their vices. Parties married will therefore do well in their own interests to see that the ciating minister makes the necessary return; the blank forms requisite therefor having n furnished to all clergymen, and in numbers sufficient for their reasonable wants."

With amendments to the Act relating to Registration of Births, Marriages and aths, and simplifications to the Marriage Act as it appears in the Statutes at Confedtion, the last Act in the drama of extinguishing in Ontario distinctions based upon igious differences disappeared. To many it would even appear that the license, which practice exists, enabling hasty and ill-considered marriages taking place, might well be trolled by legislative amendments in some particulars; but from the standpoint of itimatizing all *bona fide* matrimonial ventures, and the lawful inheritance of property ough marriage nothing would seem to require to be added to the marriage laws as they ve now existed in Ontario for over a quarter of a century.

### Deaths.

The total number of deaths recorded in Ontario in 1899, was 28,607, as compared h 26,370 in 1898, being an increase of 2237. This gives a death-rate of 12.4 per 1,000, ng 0.9 greater than in 1898. As the death-rate in 1898 was exceedingly low, being 1263 s than in 1897, the rate for 1899 shows no notable increase. The distribution of the ths varies quite notably according to the counties, those having cities or large towns ally showing a higher rate as may be seen by reference to Table 1. The abnormally h rates seen in the death-rates in the new districts of Rainy River, Thunder Bay, yoma and Nipissing, where populations were very much greater than those utilized in s report, are misleading, since the isolated instances where municipal organizations st and a recent municipal census has been made show that the Territorial Districts re a remarkable immunity from certain classes of diseases. The counties of Carleton, scott, Russell, and Essex amongst the older counties, show the highest death-rates, ng 19.9, 15.3, and 13.2, and are associated with a birth-rate somewhat higher than the rage. The lowest death-rates are again seen in the high, well-drained counties of the ce Huron and Lake Erie districts and the central plateau. Bruce has 10.1, Grey 9.7, ron 10.5, Perth 9.5, Dufferin 10.2, Elgin 10.4, Middlesex 10.9, Wellington 10.9 and terloo 11.2. Other coun ies with higher ground away from the Great Lakes show

very similar low death-rates, as Ontario with 10.3, Victoria 10.4 and Peel 10.8. Relatively, the death-rate is low as compared with other countries.

The following rates are illustrative :—

England and Wales, 1898—(lower by 0.8 than in preceding 10 years)...	17.6
Ireland .....	18.1
Scotland .....	18.4
Total, New England (average 1893-97) .....	18.29

DEATH-RATE IN CITIES.—In Table 2 is given the death-rate in each of the thirteen cities of the Province.

The rate, calculated from a one per cent. increase in population, shows in most of the cities an increase over 1898 in keeping with that in the Province as a whole; 8 out of the 13 showing an increase. The increase of the whole over 1898 is 1.2 per 1000. Toronto has 1.9 of an increase, while Hamilton shows a reduction of 0.7; but Ottawa shows an increase of 0.3; Brantford 3.1; Kingston 2.2, and Chatham 3.1. Or in all 502 more deaths occurred in the cities than in 1898. There are doubtless some relative differences between cities, since the population in some increases much more rapidly than in others, and hence with a too small estimated population, the ratio will appear higher. Compared with cities in neighboring States and foreign countries, the health conditions of the Province are as estimated by the death-rate exceedingly good.

Thus— Chicago—(pop. School census 1,851,588) 1898—13.47; 1899—13.81.

Montreal—(pop. 350,740) 1898-9—20.7.

New York—(pop. 3,438,909) 1898—18.50.

DEATHS BY CLASSES OF DISEASE.—The question of how best to represent the actual causes of death in statistics has naturally become a matter of much study by statisticians, and it is nearly fifty years since a meeting was held in Paris of delegates from different European countries to, if possible, determine upon some uniform system of classification. Although nothing definite was determined upon, yet Dr. William Farr, the Registrar-General of England, was instrumental in having prepared the classification, subsequently approved by the Royal College of Physicians of England, which has formed the basis of all classifications up to the present. That, known as the Bertillon system, which for some years past has been in use in the city of Paris, France, has, however, been developed along the lines of modern scientific research; and, while based upon the primary idea of making returns as correct and comparable as possible, yet desires that when the real cause of any disease has been determined, it should be placed in that class, which most clearly indicates its relationship.

There has been held during the past year, (1900), in Paris, what was called "The International Commission on Demography and Statistics," with its sessions from the 18th to 21st of August. The whole time was spent in discussing any modifications necessary to be made in the Bertillon classification as it has hitherto existed, in order that it might become a system upon which all countries could unite to establish uniformity in the nomenclature to be adopted by the several Bureaus of Vital Statistics. The following is abstracted from the report published in full of the proceedings of the Congress.

A large number of countries were represented at the Congress, these being,—Germany, Argentina, Austria, Belgium, Bolivia, Canada, Chili, Denmark, Ecuador, Spain, United States, France, Greece, Honduras, Hungary, Italy, Mexico, Morocco, Norway, Netherlands, Peru, Portugal, Russia, Salvador, Sweden, Switzerland and Uruguay.

On the opening of the session a number of delegates expressed their ideas on the need of a common basis for comparison of diseases, and on the whole presented common views on the subject. M. Jacques Bertillon, statistician of the Paris Bureau of Statistics, summarized the objects a nomenclature as follows;—

"A statistical nomenclature of causes of death has not as an end to make a *resumé* of medical philosophy. It has a much more humble aim, but much more practical. It is to permit statistical departments to make a *resumé* of the thousands of returns every day in a manner, 1st, as exact, and 2nd, as comparable as possible.

"In order that a nomenclature may be comparable with those of other countries, it is necessary that it be prepared with that end in view. What is presented to you is in effect a sort of "boiling down" (*transaction*) of the nomenclatures of England, (or of Farr), of Italy, of Berlin (or of Virchow), of Brussels, (or of Jousens), etc., etc., and it has been hoped that this would be in a manner a centre of these several nomenclatures by which it would



office to change them but little in order that each may approach this proposed international nomenclature

It is further desirable that a nomenclature be not only comparable with that of other countries, but should also be comparable with itself; and that it ought to be so arranged that we may be given reason to hope that it will last a long time, and that it will not be necessary to greatly modify it in the future."

Further discussion took place as to the essential idea to be conveyed in the collection of death statistics, the consensus of opinion being, that they must be simply a record of what the physician sets down as the *cause*, and the placing indefinite returns under the head of "ill-defined causes."

A suggestion was made and adopted, that returns made, be divided into three classes:—1st. Cause as set forth by attending physician; 2nd. Cause as set down by the medical officer verifying causes of death, such as the medical health officer; and 3rd. Deaths not reported by a physician, there being none in attendance.

The Congress thereafter took up the various sections of the classification in detail, the general secretary presenting any proposed changes which had been submitted, after which the changes proposed were either accepted or rejected, and the approved classification reaffirmed.

In the final session the several delegates agreed to recommend to their respective governments, the adoption of the classification adopted by the Congress, in order to assure uniformity and comparability of death statistics, starting from January 1st, 1901.

It was further recommended that this classification be revised every ten years, the next revision taking place in 1910. The government of France, subject to different arrangement, was charged with the duty of then calling a congress for this purpose. The countries which have not signed the present convention can do so on request. Delegates from Austria, Belgium, Bolivia, Denmark, Spain, United States, France, Honduras, Italy, Mexico, Morocco, Norway, Netherlands, Portugal, Sweden, Switzerland and Uruguay declared they were empowered to sign the convention. The German delegates reported that, while not prepared to dispense with their several classifications now in use, they recognize the value of the classification, and were prepared to make from their own table for comparison after the Bertillon system.

The Austrian delegates agreed to recommend to their government the adoption of the Bertillon system so as to make comparative statistics possible from the beginning of the new century. The delegate from Denmark gave only his personal adhesion, promising to recommend the remodelled classification to his government. The Russian delegates could not approve of the system based so largely on the anatomical designation of the cause, since Russian physicians recognized that any classification should, especially from the standpoint of practical sanitary measures, have regard to the etiology or cause of any disease, and therefore did not sign the convention. The Swiss delegates, while not consenting to do away with their present system, agreed to re-consider the preparation of tables for comparative purposes with other countries. Before adjourning, the convention agreed to establish a Central Bureau of Statistics and Demography, and appointed unanimously M. Jacques Bertillon as its secretary. His duties were as indicated to keep in touch with those countries who have entered into the convention, and to supply such information and make such suggestions as might from time to time be found possible.

The Congress finally concluded with the following unanimous vote of thanks to Prof. Brouardel, who had presided.

"Moved by M. de Mello Vianna (Portugal) At this moment when our labors are ended, we have the reasonable duty of thanking the eminent savant who has directed them with so much safety, so much courtesy, and with such irreproachable tact.

"Gentlemen, I propose that you join with me in addressing to M. le Professor Brouardel, the expression of our profound gratitude. (Unanimous applause)."

M. le Président replied—"I thank you gentlemen for the words so flattering which you have accepted to me with so much good will. Our work is ended. We may hope that it will open up for statistical nomenclature and consequently for the science of hygiene, new horizons. If we have been able to conduct it to this good end, it is to you gentlemen that the honor belongs. I do not know how to sufficiently thank you for having desired to bring to this common work, the whole of your abilities, of your knowledge and of your experience. I wish all to note the exquisite courtesy which has characterized all our deliberations and the reciprocal sympathy of which these several days of collaboration will leave to us the happy recollection.

It is most satisfactory to know that a common basis for comparison of mortality statistics is now almost universally adopted, and that continents and zones may be studied comparatively along the lines of most recent scientific conclusions.



**DEATHS BY CLASSES OF DISEASE IN COUNTIES.**—The prevalence of any special class of diseases will be found in Table 10 of this Report. This becomes of much importance when studied in connection with meteorological and sanitary conditions, since it is from these broad totals that wide-spread general influences have their effects shown. A comparison of the total for the several monthly periods is the first point of notable interest. Thus of 28,607 deaths, 8,980 occurred in the first quarter. Farther, of the 2,460 communicable or epidemic diseases, 1,204, or almost one-half occurred within the same three months. It is further noticeable that this number is 715 greater than for the same period in 1895, there being but 489 in that year. The several particular diseases involved in this notable increase are referred to in subsequent paragraphs.

**DEATHS BY CLASSES OF DISEASE IN CITIES.**—This is a study of much comparative interest, since in cities are found the most immediate effects of any special influence affecting the general health. By reference to Table 11 it will be seen that the deaths from communicable diseases were 556 as compared with 408 in 1898, or 148 of an increase, thus accounting for a quarter of the total increase of 606 in cities. The most notable increase is in diseases of the circulatory organs, there being 584, as compared with 486, bringing the total increase for two classes up to 246. In the diseases of the respiratory system the increase was from 706 to 831, thus adding another notable number 125 to the increase seen in the two previous groups. In the group including diseases of infancy and old age is found a relatively small increase of 124 over 1898.

The groups are thus seen to be of interest in that, of 14 groups including 7,500 deaths, five-sixths of the increase is found included under four classes. In Table 12 is seen the number of diseases by classes in towns. Much the same influences are here seen to have been at work, but the effects are less notable than in the larger population of cities.

With regard to the several classes a comparison shows that 1899 compares very favorably with 1898 for the whole year, except in the class of communicable diseases, and even this only for the first three months notably exceeded 1898. The large number of causes of death placed under Class XI. containing especially diseases of old age and infancy still remains very unsatisfactory, although perhaps rather better than in 1898. Until physicians realize more fully the importance of accurate statistics and local registrars demand more accurate statements of cause of death before issuing burial permits this class will, it is feared, continue large, containing now 20 per cent. of the total returns.

**DEATHS FROM SPECIAL DISEASES.**—The deaths from the several communicable diseases found in Table 13 are summarized in the following table :

*Deaths from Communicable Diseases.*

Country.	Population.	Year.	Influenza.	Smallpox.	Scarlatina.	Diphtheria.	Measles.	Whooping Cough.	Typhoid.	Total Communicable.
Ontario .....	2,302,705	1899	990	7	246	599	40	124	452	1,458
Ontario .....	2,279,927	1898	192	0	222	634	115	126	405	1,569
Scotland .....	4,249,946	1898	1,291	2	909	661	2,290	2,476	814	8,003
England.....	31,397,078	1898	10,405	253	3,548	10,258	13,220	10,175	5,708	43,197

**Influenza.**—Reference to the above table at once indicates how the re-appearance of influenza very notably increased the mortality from communicable diseases, which, already mentioned, took place almost wholly in February and March. Indeed if the increase in influenza, not classed as a contagious disease under the Public Health Act, were separated from the other communicable diseases therein referred to, the year 1899 would show an actual decrease of 83 deaths. In the report of 1892 is found a reference including an extract from the English Report for 1890, which illustrates very exactly the conditions accompanying the epidemic and extremely rapid character of the spread of this destructive disease of middle and later life. The increase of deaths in February

was so sudden and excessive that it almost equalled the births, being 3,152 as compared with 3,581 births, and actually exceeded the births in several cities.

*Smallpox.*—For the first time in ten years, with the exception of five deaths in 1894, this disease again appears as a cause of death, seven deaths being recorded. The continued presence of this disease in neighbouring States during the two past years has been the source of several outbreaks of a usually mild form of the disease, but in several outbreaks in Ontario the disease recovered its normal virulence.

*Scarlatina.*—The total deaths from this disease were 246, as compared with 222 in 1898. Of these 106 occurred in the cities and towns. The following table indicates that for many years this disease has assumed a benign character compared with the type prevailing during its earlier history in Upper Canada.

Table of Deaths from Scarlatina in 5-year periods.

1st period.....	1882-1886	Deaths.....	1929
2nd period.....	1887-1891	“.....	650
3rd period.....	1892-1896	“.....	993
.....	1897	“.....	169
.....	1898	“.....	222
.....	1899	“.....	240

*Diphtheria.*—The total deaths from this disease were 599, as compared with 634 in 1898. The almost uninterrupted decline in the mortality of this disease since 1894 is again illustrated.

Table of Deaths from Diphtheria and Croup.

1887.....	1,786	1897.....	976
1893.....	1,044	1898.....	634
1894.....	1,075	1899.....	599
1895.....	942	1900 (from monthly reports).....	480
1896.....	925		

The causes for this remarkable decrease were indicated in the report for 1898, as apparently three, preventive, seasonal, and curative as due to the use of antitoxin. It is probable that in the order of influence on mortality the order should be altered to preventive, curative and seasonal, since it is contrary to experience that so long a series of years should elapse during which climatic conditions should not have recurred to renew the virulence of this disease, if climate plays as important a part as at one time it was believed it did.

*Measles and Whooping Cough.*—The total deaths from these diseases were respectively 40 and 124, the former being notably lower than in 1898, and illustrating the general law as regards mildness seen in the case of the other diseases.

*Typhoid.*—The total deaths from this disease were 452, as compared with 405 in 1898. The disease has shown a low mortality during recent years, its relations to the progress of municipal sanitation having been especially noticeable.

GENERAL DISEASES OTHER THAN COMMUNICABLE.—This class under which appear several diseases which cause a large mortality is of interest, rather as regards the several individual diseases than as a group of diseases. Amongst them appear several zymotic or germ diseases, which, as pyaemia and septicaemia and syphilis, are at times notably contagious, while tuberculosis is essentially a communicable disease. Again, cancer, rheumatism and gout, and diabetes differing from each other, yet as diseases in a special manner associated with vices of nutrition might, with alcoholism, be studied as a group from the sociological standpoint of extreme importance. Perhaps the first remark regarding them is that the study of diseases, as syphilis and alcoholism, from statistics collated from general death returns would be an absurdity. Thus the total deaths registered in Ontario as caused by syphilis were 8 and by alcoholism 14.

*Cancer.*—On the other hand accuracy of observation has tended probably to notably increase the deaths from what is denominated cancer, since under it are placed tumours of every class, which are designated malignant.



The following table, showing the deaths by years, may prove of interest :—

*Table showing Deaths from Cancer for years 1886 to 1899 inclusive.*

1886 .....	440	1893 .....	67
1887 .....	614	1894 .....	62
1888 .....	635	1895 .....	62
1889 .....	714	1896 .....	73
1890 .....	685	1897 .....	92
1891 .....	579	1898 .....	97
1892 .....	676	1899 .....	1,04

The figures given in the above table indicate quite unmistakeably the increase in the diseases included under *cancer*. It is remarkable that for the ten years preceding 1896 the returns should have shown no notable increase, but since then, under the amended law, that every year should have shown an increase wholly remarkable. The explanation is difficult to find, but comparison with previous tables shows that many deaths were formerly placed under "Tumours" which, owing to more accurate description in death returns, are now returned as cancer. Thus in 1896 the total deaths were 237, while in 1899 only 60 are set down under the general heading of *Tumours*. The continued and steady increase since 1896 must, however, be acknowledged. There is one cause which plays, doubtless, some part in the explanation. In Ontario the system of general hospitals, assisted by Government, has developed most remarkably, there having been over 20,000 inmates, in 1899, as compared with some 5,000 in 1885. This means increased accuracy in diagnosis and treatment of internal diseases and the discovery of cancer in cases which in former years were probably not more than suspected. The subject of the increase of cancer has been a matter of keen investigation within recent years, it having been ascribed by medical writers to certain soils and drainage, to dense and bad housing, and a recent English writer states that cattle there are increasingly cancerous, and that it is contagious through meat; while another English writer attributes it to excessive eating of meat, this food having greatly increased in consumption there within recent years. The Registrar General of England attributes the increase to the resultant of three factors: 1st, possible changes in the actual mortality due to cancer; 2nd, improvement in medical diagnosis, and 3rd, to a recent system of inquiry respecting deaths certified as due to tumour. These reasons coincide with those already suggested as explaining the increase in Ontario; but, viewing the actual increase as proved, it would appear that the natural explanation is that, as the seat of the disease in men and women varies greatly, the beginning of the disease lies in some temporary or permanent defect in nutrition of the affected organ, owing to its exhaustion from excessive use or even non-use, and must be associated with the increase in diseases of the nervous system, which seem to especially mark the life of the present day in the so-called most progressive communities.

*Tuberculosis.*—As in the several past years deaths from tuberculosis under its several designations have been included under one heading, Tuberculosis and Scrofula. As in the case of several other general diseases it would appear difficult to obtain from general returns information of very definite value as regards the distribution of the primary disease in different age periods, since in many instances it will have become generalized before death occurs. From special studies such as those published in special tables in 1898, the distribution of deaths by age periods, readily obtained from the tables of *Deaths by Counties* in the Appendix, are of special value, from the public health standpoint. There were recorded 587 deaths under 10 years in a total of 3,291, while in a single county, largely rural, but 4 deaths out of 72 were recorded under 10 years. It is manifest that the deaths from atrophy and chronic diarrhoea, always in excess in cities, account for the relatively greater deaths under 10 years, in the total including cities and towns than in a rural county with no large city. The total recorded deaths in 1899 were 3,405 being an increase of 114 over 1898. The following table gives the deaths by ages and by counties.

From the accompanying table the rate per 1000 of deaths may be seen; but a more careful examination of deaths in certain counties indicates a prevalence of the diseases which as regards causative influences, raises several interesting questions. In the reports of past years, the greater prevalence of tuberculosis in the counties earliest settled and bordering on lakes Erie and Ontario, as compared with inland counties has been re-



repeatedly referred to. That, however, there should have been an increase in the counties along lake Huron, in later years as compared with the deaths in the same counties in past decades, is a matter of much interest from the sanitary standpoint. The following table collated from such data as are available will be studied with interest.

*Deaths from Tuberculosis by Age Periods in Counties, 1899.*

Counties.	Males.	Females.	Under 1 year.	1-9	10-19	20-29	30-39	40-49	50-59	60-69	70 and over.	Not given.	Totals.	Population.	Rate to 1000 population.
Algoma	12	14		2	2	10	6	1	1	4			26	17,988	1.4
Brant	22	38	1	8	9	13	12	8	4	5			60	39,500	1.5
Bruce	38	49	2	4	7	30	17	11	8	7	1		87	70,021	1.2
Carleton	91	92	6	20	26	53	27	25	13	13			183	84,130	2.2
Dufferin	11	16	1	1	5	10	7	2			1		27	24,106	1.1
Elgin	32	21	1	2	3	12	8	7	8	5	6	1	53	47,012	1.1
Essex	44	42	7	7	10	28	16	9	3	5	1		86	60,203	1.4
Frontenac	43	43	3	5	9	32	15	11	8	1	2		86	50,981	1.7
Frey	39	48	7	3	7	29	21	7	9	3	1		87	77,187	1.1
Haldimand	13	9	3	1	1	3	6	4	2	2			22	25,403	.9
Haliburton	1					1							1	6,877	.1
Halton	13	15	1	3	2	10	4	3	1	3	1		28	23,825	1.1
Hastings	38	42	6	5	14	23	9	7	3	8	3	2	80	64,143	1.2
Huron	37	44	1	3	10	12	29	5	7	11	3		81	72,380	1.1
Kent	59	39	3	6	19	31	14	14	4	4	2	1	98	63,620	1.5
Lambton	36	40		3	9	20	22	10	5	7			76	59,500	1.2
Lanark	17	30		2	11	16	5	5	3	5			47	40,886	1.1
Leeds and Grenville	63	84	9	8	14	35	26	26	7	15	5	2	147	65,992	2.2
Lennox and Addington	22	20		4	5	11	6	7	3	6			42	26,822	1.6
Lincoln	30	27	5	6	6	11	11	2	7	8	1		57	32,600	1.7
Middlesex	79	69	15	6	11	35	30	16	14	14	7		148	110,511	1.3
Muskoka	13	14	1	1	2	9	7	1	1	4	1		27	17,959	1.5
Norfolk	17	16	3		3	6	3	4	7	4	3		33	33,588	1.0
Northumberland & Durham	37	73	7	9	10	29	20	16	10	9			110	76,371	1.4
Nipissing	8	10		4	3	5	1	4	1				18	12,762	1.4
Ontario	26	36	2	7	7	15	12	8	5	5	1		62	49,157	1.3
Oxford	32	48	3	3	13	24	15	8	7	6	1		80	54,027	1.5
Parry Sound	15	15	3		9	9	2	1	4	1			30	15,951	1.9
Peel	18	22	1	2	7	10	6	5	7	2			40	28,953	1.4
Perth	28	34	3	3	10	22	10	6	4	2		2	62	56,052	1.1
Peterboro	24	36	6	6	5	18	7	6	5	5	2		60	38,267	1.6
Prescott and Russell	34	39	2	6	7	30	10	6	7	3	2		73	46,021	1.6
Prince Edward	14	17	1		2	6	10	6	4	2			31	20,467	1.5
Rainy River	6	6	2	2	2	3	2	1					12	4,553	2.6
Renfrew	22	20		3	7	16	8	5	2	1			42	49,863	.8
Simcoe	59	58	6	2	14	4	22	11	10	9	2		117	77,743	1.5
Stormont D. and G.	73	75	6	4	14	43	25	18	19	13	6		148	75,584	1.9
Thunder Bay	9	5	1	1	2	3	3	2	1			1	14	5,894	2.4
Victoria	15	26		3	1	15	10	4	4		2	2	41	35,735	1.2
Waterloo	24	37	4	4	9	18	6	7	7	4	2		51	54,710	1.1
Welland	26	25	4	3	8	17	8	4	3	3	1		51	33,197	1.5
Wellington	38	35	4	2	9	17	16	6	8	5	1		68	64,419	1.1
Wentworth	61	74	23	11	11	39	22	8	10	7	3	1	135	85,463	1.6
York	299	269	108	39	56	138	71	57	40	26	23	10	568	304,262	1.9
Totals	1,633	1,772	261	214	391	958	587	374	273	240	85	22	3,405	2,302,705	1.5

Making due allowance for inaccuracy of death returns in the earlier census years, still there are manifestly such notable differences as to make it evident that at the time when the immigrants from Europe, notably from Scotland, England and Ireland, settled the several counties of the Province, and began the work of clearing the land and establishing homesteads the young and energetic population were either notably free from the disease, when they emigrated or their habits of life and the necessary demands of the situation caused life in the open air and the engaging in the labors of the farm to be common to women as well as men. It was indeed the custom in their native lands for the female peasantry to labor in the fields, and it was only natural that they should follow in Canada, in those early days of settlement what had been their previous custom.

With however, the labors of a few years of toil bringing independence and plenty, the female population gradually retired from out-door labors and in older Ontario at the present time, a female found labouring in the fields would be so rare as to be looked upon as an anomaly. It will be remembered too that the log houses of those early days were small, and often badly constructed, while the great log fire-place made ventilation compulsory. With the advent of the large, better built frame and brick structures heated with stoves and furnaces, with the absence of the necessity for, and the inducement to go into the outer air especially during the winter months it would seem as if there lay therein the elements tending to a distinct deterioration in health, which possibly has been accentuated by a departure from the simplicity of life, incident to the earlier years of settlement.

Physicians in these now prosperous communities have again and again commented on the notable increase of phthisis in the children of the stalwart Scotch settlers of Huron, Bruce and Middlesex, and of the equally rugged descendants of the people from Ireland, in the counties of Grey, Simcoe and Wellington; and have raised the question as to whether the climate of Ontario, where nature is so lavish of her gifts, is inimical to the rearing of a race equal to their European ancestors. A reference to counties of a yet earlier date of settlement is reassuring, since, though in them we seem to see the same influences to have been at work, yet find some comfort in the fact that a point seems to have been reached at which the mortality from phthisis has reached its height and begins to decline. It may be that the excessive labors of the parents and the early years at which the children of the early settlers went to work may have made an undue draught on their vitality, or it may be that an acclimatization became necessary before the normal Canadian was developed; but in either case, the fact seems to have been shown, of a tendency toward this disease of house life to which the females of our rural communities have been the larger sufferers. Whatever may have been the dominant elements in the increase of consumption, it would appear that the contagion, once present in a house, has been the agent, which has perpetuated, as has been before pointed out, the disease in any particular family, through its permanently infecting the house. That the dangers from this source will lessen year by year, with the rapid advance of education regarding the infectiousness of tuberculosis, we may feel assured and it is not improbable that within the next census period the statistics will prove as encouraging regarding this disease, as those of the last two decades have been disappointing.

Respectfully submitted,

P. H. BRYCE,

Deputy-Registrar.



TORONTO, January 2nd, 1901.

To the Honourable J. R. Stratton, Registrar General of Ontario :

SIR,—I have the honor to report that during the past year I visited for purposes of inspection a number of Division Registrars of municipalities within the counties of Carleton, Essex, Halton, Kent, Lincoln, Lanark, Middlesex, Northumberland and Durham, Ontario, Oxford, Peel, Peterborough, Simcoe, Victoria, Welland, Wentworth and York. I regret to say that the latest returns from these and many other municipalities can scarcely be said to be satisfactory, for, as a matter of fact, the total number of births registered throughout the province was 2,437 less than in the previous twelve months although the death returns were increased by 2,043 and marriages by 1,121.

In my report of last year I submitted a table showing the highest and lowest rates per 1,000 of the population in births and deaths in the several counties of the province and I am pleased to be able to report that in many instances where at that time an abnormally low rate was apparent a decided improvement is now manifested as is shown by the following figures, viz: Oakland Tp., the birth rate has risen from 10 to 21; Walkerton Town, births from 12 to 20; Paisley Vill., births from 8 to 25, deaths from 5 to 10; North Gower Tp., births from 9 to 18; Kingston Tp., births from 12 to 14½; Storrington Tp., births from 8 to 14½; Dunn Tp., births from 14½ to 18; Cayuga Town, births from 15 to 18½, deaths from 6 to 12; Blenheim Town, births from 14½ to 24; S. Frederickburg Tp., births from 7½ to 13½; Montague Tp., births from 12½ to 15; Westminster Tp., births from 13½ to 16½; Oavan Tp., births from 13 to 16½; Streetsville Vill., births from 12 to 21; N. Marysburgh Tp., births from 10 to 17; Iroquois Tp., births from 8½ to 17½; Pelham Tp., births from 15 to 19; Eastner Tp., deaths from 3½ to 9; Madoc Tp., deaths from 3 to 6½; Blanshard Tp., deaths from 6½ to 10; Westmeath Tp., deaths from 5½ to 12; Woolwich Tp., deaths from 7½ to 10½; Arthur Vill., deaths from 7 to 10; Whitechurch Tp., deaths from 5 to 9. But unfortunately amid this very general improvement some others have actually gone from bad to worse and in Orangeville the birth rate has fallen from 9½ to 7, the returns for the year showing 39 deaths and only 25 births; Collingwood Tp., shows a decrease in births 11 to 8½ per 1,000, Oxford Tp., births from 15 to 12½; Adjala Tp., births from 12½ to 8½; Lancaster Tp., births from 13 to 11½; Arthur Vill., births from 10 to 7; Aurora Town, births from 14½ to 11½, while in L'Original Village the death rate falls from 4 to 2½.

Taking now the municipalities which in the previous year had shown a normal or fairly large return, we find in a few of them, a very few unfortunately, quite a large increase but the vast majority of them appear to have fallen off to a very great extent. The increases of any account can be stated very briefly. In Stephen Tp. births rose from 20 per 1,000 to 25, deaths from 8 to 15; Snowdon Tp., births from 23 to 31, deaths from 9 to 17; Harwich Tp., births from 19 to 26, deaths from 9 to 11; Point Edward Vill., births from 20 to 48, deaths from 8 to 15; N. Grimsby Tp., births from 15 to 36, deaths from 9 to 11½; Brock Township, births from 13 to 24½, deaths from 8½ to 15½; Caledonia Tp., births from 25 to 53; Plantagenet Tp., births from 37½ to 42, deaths from 7 to 16; Russell, Tp., births from 31 to 39, deaths from 9½ to 15½; Hawkesbury Vill., births from 35 to 46, deaths from 17½ to 26; Ross Tp., births from 20 to 31, deaths from 6½ to 8½; Westmeath Tp., births from 15 to 31, deaths from 5½ to 12; Charlottenburg Tp., births from 14 to 18½, deaths from 10 to 15½. Coming now to the very noticeable decreases we find in Chesley Village the birth rate falls from 25 to 17½, deaths 16½ to 6½; Melanethon Tp., births from 30 to 24, deaths from 12½ to 8½; Leamington Town, births from 21 to 15½, deaths from 23 to 14; Derby Tp., deaths from 16½ to 5; Osprey Tp., births from 28 to 22; Waipole Tp., births from 17½ to 11½; Dungannon Tp., births from 47½ to 24; Huntington Tp., births from 15½ to 12, deaths from 12½ to 6; Frederick Tp., births from 27 to 19½, deaths from 11 to 8; Hay Tp., births from 30 to 14; Minden Tp., births from 38 to 24, death from 11½ to 6; Brooke Tp., births from 21 to 14½; Warwick Tp., births from 22 to 16½; Richmond Tp., births from 19 to 13, deaths from 16 to 8½; Almonte Town, births from 24 to 16, deaths from 15 to 12; Elizabethtown Tp., births from 20 to 15½, Rear, Lansdowne and Leeds Tp., births from 15 to 12½; Woford Tp., births from 19 to 12½, deaths from 13 to 9; Front, Yonge Tp., births from 26 to 14, deaths from 13½ to 9½; Metcalfe Tp., births from 23½ to 15½; N. Walshingham Tp., births from 25 to 16; S. Monaghan Tp., births from 41 to 20



deaths from 22 to 11 ; Reach Tp., births from  $26\frac{1}{2}$  to  $17\frac{1}{2}$ , deaths from 14 to 10 ; S. Norwich Tp., births from 24 to 16, deaths from 15 to 11 ; W. Oxford Tp., births from 34 to  $24\frac{1}{2}$ , deaths from 16 to  $8\frac{1}{2}$  ; Albion Tp., births from 21 to 17, deaths from 13 to  $6\frac{1}{2}$  ; Caledon Tp., births from  $16\frac{1}{2}$  to 11 ; Downie Tp., births from 21 to  $13\frac{1}{2}$ , deaths from 10 to 6 ; Fullarton Tp., births from 23 to 14 ; Asphodel Tp., births from  $23\frac{1}{2}$  to  $13\frac{1}{2}$  ; Alfred Tp., births from 52 to 36 ; L'Original Village, births from 23 to  $4\frac{1}{2}$ , deaths already shown to be from 4 to  $2\frac{1}{2}$  ; Casselman Vill., births from 60 to 29, deaths from 16 to 11 ; Pettewawa Tp., births from 45 to 27 ; Renfrew Town, births from 40 to 32, deaths from 10 to  $8\frac{1}{2}$  ; Grattan Tp., births from 34 to 24, deaths from 11 to 8 ; Innisfil Tp., births from 28 to  $19\frac{1}{2}$ , deaths from 14 to 11 ; Roxborough Tp., births from 14 to 11 ; Williamsburgh Tp., births from 27 to  $19\frac{1}{2}$  ; Morrisburgh Vill., births from 18 to 11, deaths from 18 to 10 ; Fenelon Falls Vill., births from 39 to 22, deaths from  $15\frac{1}{2}$  to 6 ; W. Garafraxa Tp., births from 38 to 18 ; Peel Tp., births from 23 to  $10\frac{1}{2}$  ; Mount Forest Town, births from 16 to  $9\frac{1}{2}$  ; Stamford Tp., births from 24 to  $15\frac{1}{2}$  ; Thorold Town, births from  $19\frac{1}{2}$  to 10 ; Vaughan Tp., births from  $24\frac{1}{2}$  to  $19\frac{1}{2}$ , deaths from 16 to 12. Returns such as these on their face show that something is radically wrong but what that something is is most difficult to find out. I have consulted many Division Registrars both personally and by letter asking them if they can account for the eccentricities displayed so often in their several returns, but most of them profess to be unable to give any reason but stick strongly to their expressed opinion that they feel certain they have got *nearly all* the information possible. Evidently the difference between *nearly all* and *all* is frequently very great.

In the City of Toronto the Division Registrar has, during the past year, made determined efforts to secure full returns of births, with results that may be considered fairly satisfactory. In May last a circular was sent by him to every medical practitioner in the City, pointing out the duties imposed upon the members of the medical profession by the Registration Act, and urging each one to assist in the carrying out of the same so that the Department would not be compelled to take legal steps to enforce said Act. Special birth return cards were also enclosed with the circular calling for so very little information from the accoucheur in attendance at any birth that it might be filled in with scarcely any loss of time. Notices were also inserted in the daily papers stating that these steps had been taken and urging compliance with the request of the Division Registrar. For some little while an incipient "boom" in returns was noticeable, but in a very short time the interest seemed to die out and it was found that the old lethargy had set in again. Under these circumstances the Department was forced to begin a series of prosecutions, and a list of names was handed to the County Crown Attorney, who at once issued subpoenas against the several delinquents. The parents were arraigned before the magistrate and all of them pleaded guilty and a nominal fine was inflicted upon each one. Subsequently the medical practitioners who had attended at the several births referred to were also brought before the magistrate, who took the ground that this being the first prosecution in Toronto under the revised Act, and a fine having already been imposed on the parents, he would let the physicians off on suspended sentence this time, but he wanted it clearly understood that if any similar cases came before him in the near future he would be inclined to impose a fine to the full extent of the law. The result of these prosecutions in Toronto has been most beneficial, and registrations are now being made at a remarkable rate, and the birth returns for 1900 will be considerably in advance of the previous year.

In the City of London it was found that a large number of births had not been registered, and that few medical practitioners ever made any pretence of notifying the Division Registrar of any cases that they had attended. The matter was handed over to the County Crown Attorney of Middlesex and in December last several of the leading citizens of the "Forest City" were arraigned before the magistrate there and ordered to pay a fine of one dollar and costs, while subsequently four or five physicians also found that the Registration Act was not entirely a myth, as under one of its provisions they were ordered to pay a fine into the City Treasury. The result in that city has also been most beneficial, and the Division Registrar is now kept busy recording entries that should have been made months ago.

The lesson to be learned is very clear. For years the Department has appealed in their annual reports, through the public press, by circular and otherwise, to all the

interested parties. They have pointed out the advantages accruing from the carrying out of the Act; they have argued, importuned and even threatened, but all to no purpose, till at last they are driven to resort to prosecutions by law, and an immediate improvement has been the result. It seems quite evident there is only one way in which to enforce the provisions of the Act, and that is through the Courts. And now that this course has been adopted in certain sections I feel satisfied the prosecutions should be continued and carried on from end to end of the Province until all classes of people begin to realize that the Department has at length fully determined that every clause of the Registration Act shall be carried into effect.

In regard to death returns considerable improvement is manifested and in many municipalities few interments take place without a burial permit having first been obtained. Undertakers of course are primarily responsible in this matter, and in most places I am pleased to say they seem anxious to comply with the Act, but even in this city carelessness is occasionally apparent, and at Toronto Junction a Toronto undertaker was fined \$5 and costs for removing a dead body for burial without a permit having been obtained. The magistrate, in imposing the fine, said that he considered a breach of the section of the Act under which the charge was made a most serious offence, and intimated that in any cases of the kind coming before him in the future he would inflict a penalty to the full extent of the law.

In this report I have referred almost altogether to births and deaths, leaving marriages severely alone. The reason of this is as I stated in my report of last year, "in regard to marriage returns I have little complaint to make, as it would appear they are pretty fully recorded in every section of the Province." The clergymen as a body return a list of all these events that they solemnize, although, of course, there are unfortunately some exceptions to this rule, and many ministers are very dilatory in sending in their reports, thereby causing the Division Registrars considerable trouble and frequently necessitating delay in his semi-annual returns, but otherwise I have not much to complain about.

In looking over the Registration Act as it now stands I think a few amendments might be made that would simplify it to a certain extent, and I certainly would suggest that Sec. 29 should be altered so that in case the physician in attendance at a birth or death makes his return, *which does not contain all the information required by the Division Registrar*, the parent or other interested parties should not thereby be relieved from the penalty attached to non-observance of the Act by them.

In conclusion I desire to say that the clerical part of the work of the Division Registrars continues to improve, and the semi-annual returns are now much more complete than in former years, and I trust that the late actions of the department will assist in materially increasing the number of registrations during the coming year.

I have the honor to be,

Sir,

Your obedient servant,

R. B. HAMILTON,  
Inspector.

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TABLE 1.  
Table showing the total number of Births, Marriages and Deaths in each County in 1899.

Counties.	Population.			Births.			Marriages.			Deaths.			Totals.			Ratio to 1,000 of the population.		
	Population.	Number in 1899.		Variation from 1898.		Number in 1899.	Variation from 1898.		Number in 1899.	Variation from 1898.		Number in 1899.	Variation from 1898.					
		Increase.	Decrease.	Increase.	Decrease.		Increase.	Decrease.		Increase.	Decrease.							
Algoma .....	17,988	826	9	209	14	.....	288	38	.....	1,323	61	.....	45.9	11.6	16.0			
Brant .....	39,500	756	54	251	.....	10	509	69	.....	1,516	113	.....	19.1	6.3	12.9			
Bruce .....	70,021	1,244	.....	394	24	.....	713	112	.....	2,351	70	.....	17.7	5.6	10.1			
Carleton .....	84,130	2,039	.....	727	66	.....	1,676	26	.....	4,442	.....	52	24.2	8.6	19.9			
Dufferin .....	24,106	435	.....	14	162	10	246	16	.....	843	12	.....	18.0	6.7	10.2			
Elgin .....	47,012	718	.....	45	310	42	492	15	.....	1,520	12	.....	15.2	6.5	10.4			
Essex .....	60,203	1,506	.....	1,236	119	.....	799	62	.....	3,541	80	.....	25.0	20.5	13.2			
Frontenac .....	50,981	886	.....	33	301	11	654	.....	51	1,841	.....	73	17.4	5.9	12.8			
Grey .....	77,187	1,320	.....	491	86	.....	749	.....	9	2,560	.....	25	17.1	6.3	9.7			
Haldimand .....	25,403	369	.....	155	7	.....	256	13	.....	785	14	.....	14	4.5	6.1			
Halton .....	23,825	422	12	116	31	.....	256	33	.....	793	76	.....	17.7	4.8	10.7			
Haliburton .....	6,877	182	.....	49	16	.....	71	6	.....	302	.....	18	26.4	7.1	10.3			
Hastings .....	64,143	1,124	.....	78	470	22	715	26	.....	2,309	.....	30	17.5	5.9	10.5			
Huron .....	72,380	1,254	.....	24	430	50	762	104	.....	2,446	130	.....	19.5	7.3	12.1			
Kent .....	62,620	1,244	.....	69	469	47	772	41	.....	2,485	19	.....	19.2	7.3	12.3			
Lambton .....	59,500	1,143	.....	27	436	38	731	156	.....	2,310	167	.....	17.1	6.4	11.3			
Leamark .....	40,886	700	.....	43	264	.....	462	.....	3	1,426	.....	54	14.6	6.3	12.6			
Leeds and Grenville .....	65,992	969	.....	93	416	14	835	12	.....	2,220	.....	67	17.6	7.1	11.9			
Lennox and Addington .....	26,822	472	5	192	9	.....	319	17	.....	983	31	.....	17.6	6.0	13.4			
Lincoln .....	32,600	575	.....	15	197	33	439	34	.....	1,211	82	.....	14.9	6.4	10.9			
Middlesex .....	110,611	1,651	.....	36	715	100	1,205	106	.....	3,571	242	.....	29.7	7.4	13.0			
Muskoka .....	17,959	534	.....	67	134	26	283	37	.....	901	.....	4	74.0	14.2	26.6			
Nipissing .....	12,762	955	58	182	15	.....	340	81	.....	1,477	154	.....	17.8	7.1	11.8			
Norfolk .....	33,588	601	.....	50	241	37	399	51	.....	1,241	48	.....	15.2	5.3	12.2			
Northumberland and Durham .....	76,371	1,168	.....	50	412	.....	534	57	.....	2,514	.....	7	17.1	5.2	10.3			
Ontario .....	49,157	842	.....	12	258	1	507	4	.....	1,607	.....	7	18.5	6.1	12.8			
Oxford .....	54,027	1,000	73	333	1	.....	694	79	.....	2,027	7	.....	17.1	5.2	10.3			



Peterborough .....	395	367	.....	17	533	.....	68	1,883	.....	91	17.7	6.3	9.5
Prescott and Russell .....	38,267	223	.....	39	516	.....	35	1,534	.....	40	20.7	5.8	13.3
Prince Edward .....	46,021	326	.....	27	705	.....	82	2,691	.....	92	36.1	7.1	15.3
Parry Sound .....	20,467	136	.....	13	249	.....	25	703	.....	51	15.5	6.6	12.1
Renfrew .....	15,951	143	.....	22	261	.....	46	1,070	.....	63	42.3	8.9	16.3
Rainy River .....	49,863	338	.....	4	516	.....	26	2,220	.....	31	27.3	6.7	10.3
Simcoe .....	4,553	117	.....	15	154	.....	35	528	.....	72	56.4	25.7	33.8
Stormont, Dundas and Glengarry .....	77,743	564	.....	20	945	.....	73	3,102	.....	58	20.4	7.2	12.1
Thunder Bay .....	75,584	463	.....	28	906	.....	59	2,661	.....	41	17.1	6.1	11.9
Victoria .....	5,894	76	.....	3	128	.....	32	407	.....	16	34.4	12.8	21.7
Waterloo .....	35,755	223	.....	1	372	.....	59	1,270	.....	68	18.8	6.2	10.4
Welland .....	54,710	49	.....	43	613	.....	10	2,067	.....	53	20.1	6.4	11.2
Wellington .....	33,197	297	.....	39	435	.....	112	1,367	.....	18	18.8	8.9	13.1
Wentworth .....	64,419	392	.....	33	705	.....	5	2,115	.....	34	15.8	6.1	10.9
York .....	85,463	603	.....	37	1,099	.....	546	3,173	.....	175	17.2	7.0	12.8
Totals .....	304,262	2,243	.....	184	4,117	.....	2,382	11,702	.....	563	17.5	7.3	13.5
Totals .....	2,302,705	16,514	1,256	117	28,607	2,382	145	89,826	2,308	826	19.4	7.1	12.4

TABLE 2.  
Table showing the total number of Births, Marriages and Deaths in each City in 1899.

Cities.	Population.	Births.			Marriages.			Deaths.			Totals.			Ratio to 1000 of Population.		
		Number in 1899.	Variation from 1898.		Number in 1899.	Variation from 1898.		Number in 1899.	Variation from 1898.		Number in 1899.	Variation from 1898.		Births.	Marriages.	Deaths.
			Increase.	Decrease.		Increase.	Decrease.		Increase.	Decrease.		Increase.	Decrease.			
Toronto.....	201,916	4,006	.....	116	1,842	146	.....	3,289	423	.....	9,137	453	.....	19.8	9.1	16.2
Hamilton ....	59,087	946	.....	156	442	8	.....	719	.....	30	2,107	.....	178	17.8	8.3	13.5
Ottawa .....	47,855	1,256	.....	93	514	.....	84	1,248	27	.....	3,018	.....	150	26.2	10.7	26.0
London .....	33,605	664	37	.....	360	71	.....	544	70	.....	1,568	178	.....	19.7	10.7	16.1
Kingston .....	20,874	331	.....	23	163	8	.....	313	.....	40	807	.....	55	15.8	7.8	14.9
Brantford .....	13,818	392	5	.....	148	.....	4	265	46	.....	805	47	.....	28.4	10.7	19.1
St. Thomas ....	11,231	187	29	.....	118	24	.....	132	15	.....	437	68	.....	16.6	10.5	11.7
Guelph.....	11,426	213	.....	33	98	23	.....	180	21	.....	491	11	.....	18.6	8.5	15.7
St. Catharines.....	9,935	160	2	.....	88	22	.....	180	13	.....	428	37	.....	16.1	8.8	18.1
Belleville .....	10,745	158	.....	11	108	.....	1	173	24	.....	439	12	.....	14.7	10.0	16.1
Stratford .....	10,292	158	.....	1	89	5	.....	107	.....	13	354	.....	9	15.3	8.6	10.4
Windsor .....	11,184	235	6	.....	737	32	.....	176	18	.....	1,148	56	.....	21.0	65.8	15.7
Chatham .....	9,809	163	12	.....	120	.....	12	174	32	.....	457	32	.....	16.6	12.2	17.7
Totals.....	445,777	8,869	91	433	4,827	339	101	7,500	689	83	21,196	894	392	19.8	10.8	16.8

Table showing the total number of Births, Marriages and Deaths in each Town in 1899.

Towns.	Births.			Marriages.			Deaths.			Totals.			Ratio to 1000 of Population.			
	Number in 1899.	Variation from 1898.		Number in 1899.	Variation from 1898.		Number in 1899.	Variation from 1898.		Number in 1899.	Variation from 1898.		Births.	Marriages.	Deaths.	
		Increase.	Decrease.		Increase.	Decrease.		Increase.	Decrease.		Increase.	Decrease.				
Barrie.....	100	8	.....	62	5	.....	60	.....	20	322	93	.....	16.0	9.9	9.6	
Brockville.....	191	11	.....	103	26	.....	141	.....	19	435	18	.....	20.0	10.7	14.7	
Berlin.....	185	.....	21	82	10	.....	127	14	.....	394	3	.....	22.9	10.1	15.7	
Bracebridge.....	75	6	.....	30	4	.....	33	10	.....	138	20	.....	47.1	18.8	20.7	
Brampton.....	44	2	.....	24	.....	.....	43	2	.....	111	2	.....	12.0	6.6	.....	
Cornwall.....	171	.....	16	67	.....	13	135	17	.....	373	.....	12	23.2	9.0	.....	
Cobourg.....	82	.....	3	35	8	.....	83	.....	8	200	18	.....	25.1	6.4	15.3	
Goderich.....	23	6	.....	12	5	.....	14	7	.....	49	13	.....	14.4	4.4	13.0	
Lindsay.....	61	8	.....	19	.....	9	56	14	.....	136	13	.....	21.1	11.5	12.7	
L'Orignal.....	138	.....	4	76	.....	.....	83	.....	7	297	.....	26	3.5	1.7	1.7	
Milton.....	4	.....	18	2	.....	6	2	.....	2	8	.....	16	14.1	3.6	8.0	
Napanee.....	23	.....	6	6	.....	9	13	.....	5	154	.....	18	15.5	14.0	13.9	
Niagara Falls.....	60	.....	3	54	.....	9	40	.....	6	247	14	.....	27.9	10.5	15.7	
North Bay.....	101	.....	14	83	10	.....	63	18	.....	173	15	.....	47.6	9.9	11.7	
Orangeville.....	108	.....	6	26	.....	5	39	10	.....	97	15	.....	19.5	15.6	14.2	
Owen Sound.....	25	.....	5	33	5	.....	116	.....	7	402	61	.....	44.1	8.4	18.7	
Parry Sound.....	159	.....	5	127	61	.....	51	18	.....	194	61	.....	21	21.5	9.1	
Peterboro.....	120	48	.....	23	.....	5	168	14	.....	497	.....	21	28.9	11.2	15.4	
Pembroke.....	231	.....	16	98	.....	19	77	11	.....	267	11	.....	23.7	12.7	16.5	
Perrin.....	134	.....	7	56	7	.....	58	15	.....	183	14	.....	15.1	12.4	14.6	
Perth.....	80	7	.....	45	.....	8	54	1	.....	166	20	.....	16.5	9.7	17.3	
Pictou.....	56	15	.....	46	4	.....	64	19	.....	161	8	.....	39	17.6	16.1	
Port Arthur.....	61	.....	14	36	3	.....	74	.....	12	270	.....	6	19.0	16.0	13.9	
Rat Portage.....	116	.....	23	80	.....	4	98	8	.....	345	.....	6	29.5	14.1	11.2	
Sarnia.....	134	.....	7	113	.....	7	44	.....	.....	214	8	.....	16.3	17.3	11.3	
Sault Ste. Marie.....	115	.....	4	55	12	.....	34	.....	6	135	.....	.....	27.4	9.1	17.1	
Simcoe.....	49	.....	8	52	14	.....	76	5	.....	268	15	.....	17.1	4.9	13.4	
Toronto Junction.....	144	.....	5	48	.....	4	46	9	.....	122	28	.....	5.7	9.3	11.5	
Walkerton.....	59	23	.....	17	.....	4	38	10	.....	88	12	.....	10.8	4.4	8.9	
Welland.....	19	.....	13	31	15	.....	28	.....	7	76	26	.....	16.5	8.1	16.6	
Whitby.....	34	.....	13	14	.....	1	155	50	.....	385	448	185	20.3	10.8	14.3	
Woodstock.....	154	.....	30	76	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	3,956	139	231	1,631	200	106	2,152	261	99	6,939	448	185	20.3	10.8	14.3	



TABLE 4.

## Illegitimate Births, Twins and Triplets in the Province.

Illegitimate Births.		Ratio to 1,000 births.	Number of pair of twins.	Number of cases of triplets.
No.	Proportion to whole number of births.			
808	One to every 55 births .....	18.0	296	1

TABLE 5.

## Births in the Province in 1899, showing the Proportion of Male to Female Births.

Sex.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Males .....	1,992	1,855	2,200	1,917	1,940	1,855	2,004	2,146	2,064	1,750	1,613	1,763	23,099
Females.... ..	1,811	1,726	1,976	1,968	1,722	1,656	1,899	1,990	1,897	1,699	1,588	1,674	21,606
Total.....	3,803	3,581	4,176	3,885	3,662	3,511	3,903	4,136	3,961	3,449	3,201	3,437	44, 05
Male births to 100 female births.	109.9	107.4	111.3	F to M 102.6	112.6	112.0	105.5	107.8	108.8	103.0	101.5	105.3	106.9

TABLE 6.

## Order of Births by Months in the Province.

Months.	Males.	Months.	Females.	Months.	Total m and females.
March .....	2,200	August.....	1,990	March .....	4,176
August.....	2,146	March .....	1,976	August .....	4,136
September .....	2,064	April .....	1,968	September .....	3,961
July .....	2,004	July .....	1,899	July .....	3,903
January.....	1,992	September .....	1,897	April .....	3,885
May .....	1,940	January.....	1,811	January.....	3,803
April .....	1,917	February.....	1,726	May .....	3,662
June .....	1,855	May .....	1,722	February.....	3,581
February. ....	1,855	October .....	1,699	June .....	3,511
December .....	1,763	December .....	1,674	October .....	3,449
October .....	1,750	June .....	1,656	December .....	3,437
November.....	1,613	November.....	1,588	November... ..	3,201
Total .....	23,099	Total .....	21,606	Total .....	44,705

TABLE 7.  
Marriages by Months in the Province.

Months.	1898.	Months.	1899.	Quarters.	1898.	Quarters.	1899.
June .....	1,741	June .. .....	1,781	Quarter ending Dec. 31....	4,455	Quarter ending Dec. 31....	4,874
December .....	1,532	December .....	1,762	Quarter ending June 30 ...	3,835	Quarter ending June 30...	4,063
October .....	1,488	September .....	1,698	Quarter ending Sept. 30...	3,550	Quarter ending Sept. 30...	3,929
September .....	1,483	October .....	1,620	Quarter ending March 31..	3,531	Quarter ending March 31..	3,628
November .....	1,435	November .....	1,492	No date given .....	4	No date given .....	20
March .....	1,204	April .....	1,280				
April .....	1,197	March .....	1,277				
January .....	1,173	January .....	1,231				
February .....	1,154	August .....	1,137				
August .....	1,145	February .....	1,120				
July .....	922	July .....	1,094				
May .....	897	May .....	1,002				
No date given ..	4	No date given ..	20				
Total .....	15,375	Total .....	16,514	Total .....	15,375	Total .....	16,514

TABLE 8.  
Marriages by Denominations in the Province.

Denominations.	Number of persons married.	Per cent. of whole.	Proportion to the whole number of persons married.
Methodists .....	11,283	34.2	2.9
Presbyterians .....	6,775	20.5	4.9
Church of England .....	5,400	16.3	6.1
Roman Catholics .....	4,920	14.9	6.7
Baptists .....	2,017	6.1	16.3
Lutherans .....	756	2.3	43.7
Congregationalists .....	301	.9	109.7
Evangelical Association .....	215	.7	153.6
Annuitants .....	160	.5	206.4
Quakers .....	22	.1	1501.3
Other denominations .....	903	2.7	36.5
No denominations given .....	276	.8	119.6
Total .....	33,028	100.0	

TABLE 9.

Showing the Death rate per 1,000 of Population in each County of the Province for ten years.

Counties.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	Average rate per County for ten years.
Algoma .....								15.9	14.0	16.0	
Brant .....	12.3	10.5	11.4	11.3	10.4	12.1	12.3	12.2	11.2	12.9	11.6
Bruce .....	7.1	8.3	8.3	8.3	8.7	7.9	9.7	9.7	8.6	10.1	8.6
Carleton .....	18.4	8.9	13.6	15.5	16.9	17.7	17.9	20.3	19.8	19.9	16.9
Dufferin .....	10.0	10.8	9.6	8.9	7.3	7.9	8.0	8.4	9.6	10.2	9.0
Elgin .....	9.9	9.2	9.1	9.9	8.5	10.2	10.1	11.0	10.2	10.4	9.3
Essex .....	12.5	12.0	12.2	11.9	11.6	12.0	12.6	12.9	12.3	13.2	12.3
Frontenac .....	15.7	13.7	14.5	12.4	11.1	11.2	13.3	13.8	13.9	12.8	13.2
Grey .....	7.3	7.4	7.7	7.7	7.8	8.1	9.7	9.5	9.8	9.7	8.4
Haldimand .....	6.7	8.2	10.3	6.6	9.5	8.4	7.7	10.5	9.8	10.2	8.8
Halton .....	8.9	9.3	9.9	9.0	8.7	8.9	9.2	9.2	9.4	10.7	9.3
Haliburton .....		8.0	9.2	8.6	8.2	10.7	12.4	11.2	9.5	10.3	
Hastings .....	10.6	8.3	8.9	9.0	7.9	9.2	11.2	11.4	10.8	11.1	9.8
Huron .....	7.4	8.2	8.5	9.1	7.4	7.7	8.3	10.5	9.2	10.5	8.6
Kent .....	8.3	8.4	8.7	8.7	9.3	9.2	9.8	11.7	11.6	12.1	9.8
Lambton .....	9.1	8.1	8.4	9.1	8.0	7.6	8.6	10.8	9.7	12.3	9.1
Lanark .....	8.9	6.6	7.4	7.6	8.9	6.9	10.2	11.8	11.4	11.3	9.1
Leeds and Grenville .....	8.8	7.1	7.2	8.2	6.5	7.3	10.9	12.5	12.6	12.6	9.3
Lennox and Addington .....	7.3	10.1	7.7	7.0	10.2	6.8	9.4	12.6	11.3	11.9	9.4
Lincoln .....	12.8	10.9	14.3	11.4	13.0	13.1	12.2	14.4	12.5	13.4	12.8
Middlesex .....	11.6	8.9	10.9	10.1	10.0	9.6	8.7	10.7	10.0	10.9	10.1
Muskoka .....								11.4	11.0	13.0	
Norfolk .....	8.1	8.5	9.5	8.2	8.1	9.2	9.4	12.1	10.4	11.8	9.5
Northumberland and Durham .....	9.9	10.7	10.1	9.7	10.5	9.9	10.1	11.6	11.6	12.2	10.6
Nipissing .....								23.5	20.5	26.6	
Ontario .....	9.4	9.8	11.0	10.3	10.0	9.8	10.2	10.6	10.3	10.3	10.1
Oxford .....	11.1	9.7	11.4	10.9	10.9	10.3	11.3	11.8	11.5	12.8	11.7
Peel .....	7.8	7.7	7.5	7.9	7.8	7.1	9.4	9.1	9.2	10.8	8.4
Perth .....	8.2	8.9	9.1	8.1	8.9	9.0	8.8	9.5	10.8	9.5	9.1
Peterborough .....	11.4	11.1	12.1	10.8	12.6	10.4	11.2	12.0	12.7	13.3	11.7
Prescott and Russell .....	14.3	10.6	12.9	11.7	14.9	11.7	13.1	16.9	13.6	15.3	13.5
Prince Edward .....	11.3	11.1	11.5	11.6	12.8	9.7	13.8	12.4	11.0	12.1	11.7
Parry Sound .....								14.7	13.6	16.3	
Rainy River .....								33.1	26.1	33.8	
Renfrew .....	7.2	7.7	9.5	9.6	10.6	9.9	12.2	13.0	9.9	10.3	10.0
Simcoe .....	6.4	8.1	8.1	8.2	9.3	7.4	10.7	11.7	11.3	12.1	9.3
Stormont, Dundas and Glengarry .....	9.2	8.5	8.9	8.8	7.3	7.8	9.0	12.7	11.3	11.9	9.6
Thunder Bay .....								20.4	16.4	21.7	
Victoria .....	7.7	9.9	10.9	10.0	9.7	9.0	9.8	10.8	10.8	10.4	9.9
Waterloo .....	11.9	11.6	10.5	9.9	9.9	10.1	10.1	10.9	10.2	11.2	10.6
Welland .....	9.4	12.4	10.5	11.1	9.5	11.0	12.1	14.4	12.9	13.1	10.6
Wellington .....	9.2	10.1	10.6	9.8	10.3	9.5	9.5	9.9	9.3	10.9	9.9
Wentworth .....	14.4	13.2	11.7	13.1	12.5	12.7	13.2	12.1	13.0	12.8	12.8
York .....	16.3	15.9	16.4	16.1	13.1	13.2	12.4	12.9	11.8	13.5	14.1
Average rate .....	11.1	10.2	10.7	10.6	10.3	10.1	10.9	12.2	11.5	12.4	11.0

Owing to the changing of territorial boundaries in Algoma, Nipissing, Muskoka and Parry Sound, they have been inserted in this table for 1897, 1898 and 1899 only.





TABLE No. 11.  
Recapitulation by Classes of Diseases by Cities, 1899

Cause of Death.	Sex.		Nativity.		Social condition.		Ages.												Months.												Totals.											
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	Under 5.												January.	February.	March.	April.	May.	June.	July.	August.	September.		October.	November.	December.								
										0-1	1-2	2-3	3-4	4-5	5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.														40-44.	45-49.	50-59.	60-69.	70-79.	80 and over.	Not given.	
I. Communicable (Epidemic) diseases.....	288	268	454	99	3	381	85	90	37	39	54	43	40	92	29	19	15	19	22	15	5	23	27	30	14	3	73	78	54	37	36	27	23	51	44	53	38	42	556			
II. Other general diseases.....	746	782	1043	464	228	500	433	596	151	26	18	9	7	29	39	99	163	125	100	99	98	86	188	184	93	11	13	124	127	128	154	138	118	141	128	112	118	126	115	1529		
III. Diseases of nervous system and organs of sense.....	548	431	646	311	224	476	212	201	296	53	23	20	9	31	16	9	15	7	17	16	35	32	93	110	136	57	4	93	80	87	97	68	88	109	89	64	75	52	77	979		
IV. Diseases of circulatory system.....	286	298	267	311	0	81	238	265	1	2	2	1	11	48	21	15	20	13	21	37	41	111	153	88	26	3	52	58	64	53	42	38	38	35	54	46	43	61	584			
V. Diseases of the respiratory system.....	404	427	493	324	14	364	228	239	172	56	32	22	11	17	7	12	16	14	22	25	25	29	70	110	120	67	4	150	136	113	79	48	57	38	30	24	40	49	67	831		
VI. Diseases of the digestive system.....	411	398	664	141	4	562	124	123	449	20	16	2	2	10	17	15	26	19	17	19	18	20	46	47	48	16	2	21	31	30	37	35	63	180	185	106	57	33	31	849		
VII. Diseases of the genito-urinary system.....	158	102	108	140	12	37	84	139	1	2	1	2	9	5	2	11	9	7	21	19	21	31	54	40	23	2	24	22	25	15	19	23	20	28	24	28	17	15	260			
VIII. Puerperal diseases.....	37	37	23	12	2	1	35	1	1	1	1	1	1	1	1	11	8	6	6	5	1	1	1	1	1	1	6	8	3	3	3	3	5	4	1	2	1	2	37			
IX. Diseases of the skin and cellular tissue, and diseases of the locomotor system.....	9	7	7	9	8	5	3	6	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	3	2	1	1	1	1	1	3	1	16			
XI. Malformations, diseases of infancy, diseases of old age, &c.....	2	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3			
XII. Suicide.....	778	670	39	1071	396	20	1000	243	244	962	13	7	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	122	1487
XIII. Accidents.....	11	5	7	7	2	5	6	1	1	1	1	1	1	1	1	2	3	3	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16		
XIV. Ill-defined causes.....	183	53	132	91	13	75	51	110	2	2	5	4	6	9	17	19	15	9	26	21	13	14	23	20	14	11	6	16	17	19	15	14	30	23	26	20	17	24	15	236		
Totals.....	3883	3578	39	2366	3621	1814	2165	2077	211	167	167	78	218	203	323	238	240	266	283	265	606	736	822	488	43	700	713	683	613	543	550	712	740	579	571	529	567	7500				

Recapitulation by Classes of Diseases by Towns, 1899.

Cause of Death.	Sex.		Nativity.		Social condition.		Ages.													Months.												Totals.									
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	Under 5.													80 and over.	Not given.	January.	February.	March.	April.	May.	June.	July.		August.	September.	October.	November.	December.				
										0-1	1-2	2-3	3-4	5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.																50-59.	60-69.	70-79.	
I. Communicable (Epidemic) Diseases.....	105	82		139	41	7	114	35	38	17	15	11	7	12	20	8	8	12	13	4	5	1	1	4	13	22	11	324	36	13	17	4	5	6	18	12	19	15	18	187	
II. Other General Diseases.....	183	237		307	103	10	131	186	103	18	4	5	8	1	6	10	33	47	41	33	35	22	28	41	62	19	9	343	31	40	42	36	29	37	36	40	34	29	23	420	
III. Diseases of Nervous System and Organs of Sense.....	149	122		190	74	7	135	91	45	61	12	8	5	8	14	6	10	9	..	2	3	10	9	20	32	41	20	118	17	33	20	26	28	25	24	20	14	21	25	271	
IV. Diseases of Circulatory System.....	78	73		81	61	9	38	80	33	1	..	..	..	..	7	6	7	7	5	8	5	9	20	33	33	7	..	7	13	11	22	16	9	14	13	10	15	9	12	151	
V. Diseases of the Respiratory System.....	116	112		157	63	8	106	69	53	40	15	11	3	2	12	2	7	7	10	8	8	7	20	24	29	13	240	53	28	20	12	11	6	9	8	15	14	12	228		
VI. Diseases of the Digestive System.....	129	93		180	40	2	125	56	41	94	3	3	1	2	3	6	7	12	8	7	5	6	5	16	24	13	6	118	7	12	13	10	9	22	56	40	7	18	10	222	
VII. Diseases of the Genito-Urinary System.....	41	32		43	26	4	15	30	28	2	..	..	..	..	1	2	1	2	3	2	4	4	3	5	13	21	6	1	5	6	6	13	6	4	8	4	5	3	7	73	
VIII. Puerperal Diseases.....		7		6	1	1	6			..	..	..	..	..	..	..	2	3	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	2	7
IX. Diseases of the Skin and Cellular Tissue.....		2		1	1			1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2
X. Diseases of the Locomotor System.....		2		2			1		1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2
XI. Malformations, Diseases of Infancy, Diseases of Old Age,.....	221	208	2	263	162	6	239	118	74	226	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	431	
XII. Suicide.....		2		1	1		1		1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2
XIII. Accident.....	85	11		66	23	7	44	24	28	2	1	2	1	..	7	10	8	12	10	8	5	7	4	4	7	8	4	1	8	3	7	6	5	16	17	12	10	4	6	7	96
XIV. Ill-Defined Causes.....	25	33		32	21	5	9	30	19	..	..	..	..	..	..	1	1	1	2	2	5	4	8	15	12	2	1	7	5	6	2	..	1	7	6	5	7	4	8	58	
Totals.....	1138	1010	2	1468	616	66	959	727	464	461	52	44	21	27	49	113	91	75	71	69	71	71	138	224	270	202	13	216	210	203	188	147	143	170	219	183	149	155	168	2150	



TABLE

TOTAL DEATHS BY INDIVIDUAL

		Algoma.	Brant.	Bruce.	Carleton.	Dufferin.	Elgin.	Essex.	Frontenac.	Grey.	Haldimand.	Halton.	Haliburton.	Hastings.	Huron.	Kent.	Lambton.	Lanark.	Leeds & Grenville.	Lennox & Addington.	Lincoln.	
Communicable Diseases.	Typhoid fever .....	1	18	13	29	1	10	19	8	5	5	1	2	8	7	5	12	7	10	7	10	
	Smallpox.....	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	
	Measles.....	4	..	6	1	2	..	..	..	3	..	..	..	..	..	1	..	..	..	..	..	
	Scarlet fever.....	..	4	5	7	..	2	3	15	..	..	..	..	7	1	5	8	4	9	4	9	
	Whooping cough.....	..	..	1	..	1	..	5	7	..	5	..	..	..	..	6	2	5	5	2	6	
	Diphtheria and croup....	8	12	23	46	4	10	25	18	15	9	1	1	14	6	11	7	14	8	5	6	
	Influenza.....	8	18	31	28	9	30	29	21	28	10	11	6	34	14	22	15	25	24	18	10	
	Other epidemic diseases.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
	Pyæmia and septicaemia.....	3	11	11	18	3	4	9	2	21	4	4	..	6	5	4	9	2	11	2	4	
	Malarial fever.....	..	1	..	..	..	..	..	1	..	2	1	..	..	..	..	..	1	1	..	..	
Other General Diseases.	Tuberculosis and scrofula	26	60	87	183	27	53	86	86	87	22	28	1	80	81	98	76	47	147	42	57	
	Syphilis.....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	
	Cancer.....	3	23	26	57	4	22	23	32	33	11	13	1	28	36	22	34	18	33	11	24	
	Rheumatism and gout.....	3	3	5	5	2	2	3	3	7	..	1	1	7	11	4	4	..	5	..	4	
	Diabetes.....	..	5	9	8	2	3	2	6	3	5	1	..	1	7	1	2	..	8	..	2	
	Other general diseases....	1	1	2	17	4	7	5	12	3	..	..	..	7	17	8	12	1	2	2	5	
	Alcoholism, acute & ch'ic.	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	
	Encephalitis.....	..	3	9	10	3	8	9	8	3	1	2	1	1	4	6	10	5	15	4	1	
	Simple meningitis.....	3	9	2	35	5	2	11	4	6	1	..	1	6	3	9	10	2	9	1	4	
	Diseases of the Nervous System.	Epidemic cerebro-spinal meningitis.....	4	3	13	23	..	5	11	7	5	5	1	..	4	3	6	5	1	13	3	2
Diseases of the Nervous System.	Congestion and hemorrhage of the brain.....	8	14	10	39	3	9	19	11	18	9	6	1	19	32	27	20	17	20	6	19	
	Softening of the brain....	..	..	2	3	..	..	..	..	..	..	..	..	1	3	5	..	3	..	1	..	
	Paralysis without specified cause.....	4	23	25	44	14	30	29	34	18	15	20	..	27	18	19	12	19	24	11	11	
	Insanity.....	..	1	1	..	..	..	..	1	2	1	..	..	..	2	..	2	..	1	1	1	
	Epilepsy.....	1	3	5	2	1	1	2	1	2	1	..	..	3	5	..	3	..	4	..	1	
	Convulsions (not puerperal)	15	14	23	87	4	18	13	8	18	5	5	5	18	11	21	16	9	8	2	5	
	Other nervous diseases....	..	3	2	4	..	..	3	..	3	..	2	..	2	3	1	1	3	2	..	..	
	Pericarditis.....	..	1	..	..	..	..	1	..	1	..	..	..	..	1	..	..	..	..	..	..	
	Endocarditis.....	..	1	..	3	..	2	..	1	..	..	..	..	..	1	..	2	..	1	..	1	
	Diseases of Circulation.	Organic Heart Diseases.....	11	23	27	76	16	21	41	30	36	18	18	3	29	52	38	37	15	34	14	19
Diseases of Circulation.	Angina Pectoris.....	..	2	4	2	..	1	1	..	1	..	..	..	3	1	3	..	5	..	..	1	
	Diseases of the Arteries, Atheroma, Aneurism, &c	..	1	1	4	..	..	1	3	1	..	..	..	..	1	..	..	..	1	..	1	
	Other Diseases of the Circulatory System.....	5	8	14	12	8	6	12	12	7	1	7	1	10	11	19	11	8	17	7	7	
	Acute Bronchitis.....	8	9	12	28	1	4	11	2	17	4	6	1	9	23	16	7	11	13	2	11	
	Chronic Bronchitis.....	1	2	5	13	..	..	4	3	9	2	3	..	5	2	5	1	2	6	3	8	
	Broncho-pneumonia.....	..	4	4	20	1	2	6	4	3	..	..	..	4	2	7	7	3	7	2	11	
	Pneumonia.....	9	22	25	77	15	32	49	42	36	13	19	3	77	46	42	40	42	47	36	20	
	Pleurisy.....	..	..	1	1	..	2	..	1	3	..	..	..	..	4	3	1	1	5	..	..	
	Diseases of Respiration.	Cong't'n of the Lungs (including pulmonary apop)	7	3	15	15	10	5	20	7	2	..	1	1	1	10	15	11	9	9	1	3
	Diseases of Respiration.	Asthma and Emphysema.....	1	..	2	8	..	1	1	1	4	2	1	..	1	6	2	3	2	..	1	2
Other Diseases of the Respiratory System.....		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Ulcer of the Stomach.....		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Other Diseases of the Stomach (Cancer excepted)		..	4	..	8	..	8	3	2	5	2	3	..	1	12	6	4	2	9	2	4	
Infantile Diarrhoea and Gastro-enteritis, (Cholera Infantum)		14	17	13	161	1	13	43	18	27	7	8	2	16	13	26	31	13	18	8	24	
Diarrhoea and Enteritis (not infantile).....		1	..	8	47	6	13	12	12	10	5	1	..	6	11	20	20	8	26	6	4	
Dysentery.....		..	..	..	..	..	..	..	..	4	1	1	..	4	..	..	..	..	..	..	..	
Hæmorrhoids and Intestinal obstructions.....		..	2	3	5	..	1	5	2	1	1	1	..	9	3	6	6	7	2	1	1	
Diseases of Digestion.																						

No. 13.

DISEASES BY COUNTIES IN 1899.

Middlesex.	Muskoka.	Nipissing.	Norfolk.	North'm'd & Durh'm	Ontario.	Oxford.	Parry Sound.	Peel.	Perth.	Peterborough.	Prescott & Russell.	Prince Edward.	Rainy River.	Renfrew.	Simcoe.	Stormont, D. & G.	Thunder Bay.	Victoria.	Waterloo.	Welland.	Wellington.	Wentworth.	York.	Totals.
12	5	5	5	16	6	19	6	4	12	9	16	3	7	12	10	11	2	12	6	11	11	17	57	452
2		3	1					1	1		4			1		1								7
17	2	3	3	3	10	1	1	6	9	3	1			1		2	4		4					1
2	2	2	2	7			4	1	1							2	8		18	1	2	13	63	246
16	3	12	5	17	10	8	4	2	5	8	33			18	7	29	5	3	15	8	18	19	111	599
46	9	6	22	36	25	15	21	17	27	30	25	5	24	25	36	29	2	14	39	11	43	16	76	990
1																								2
15	2	2	1	2	3	4	6	4	2	3		1		1	4	8	2	1	2		4	4	37	241
48	27	18	33	110	62	80	30	40	62	60	73	31	12	42	117	148	14	41	61	51	68	135	568	3,405
51	11	4	15	28	14	30	12	5	18	17	16	8	1	12	26	31	3	10	28	12	42	42	151	1,041
10		2		2	6	5	4	2	2	2	1	2		3	3	1	6	1	5	4	2	4	4	11
7	2		1	10	2	5	1	4	2	3	2	3	2	2	10	3	2	2	2	3	3	9	27	149
21		1	4	13	7	10	1	8	5	3	8	2		5	15	13	1	6	7	1	8	11	42	178
8	3	4	3	7	2	9	1	1	4	6	6	2	1	9	7	13		7	3	4	6	1	8	298
12	3	4	2	7	3	6	2	3	4	1	3	1		4	12	5		2	8	3	6	8	28	14
8	2		2	2	3	5	4		4	2	3	2		1	6	8		1	11	2	7	4	23	246
32	5	3	15	29	23	21	7	5	12	17	8	13		7	29	20	5	13	13	17	30	38	147	301
49	3	3	20	27	12	23	5	15	16	12	14	13		2	3			1	3	3	2	2	14	816
12				1	2			2	2					15	2	3	3	15	18	31	24	26	81	880
2	3		2	7					2						1		2	1				15	16	65
29	7	4	15	17	13	13	9	14	12	7	3	8	12	23	12	9	6	20	9	12	3	12	23	113
2		2	1	2	1		4	2	1	2	3	1	3	3	2		1		2	3	1	11	74	16
1	1		2	3	2	2		4	3	1					2	1		1	1		2	5	15	69
14	11	9	18	40	21	31	7	11	30	26	29	14	1	18	42	30	5	18	30	26	27	80	236	1,382
3	1		1	3		3	2	1	1			2			3			1		2		2	17	65
				2	1	1		1												2			9	30
3	5	5	4	24	7	7	3	8	9	5	4	12	5	8	19	22	1	7	4	12	11	10	53	441
1	10	7	7	10	11	8	7	5	17	14	7		4	13	21	12	3	5	16	9	14	26	83	515
2		3	3	2	1		2	2	6	4	2	1		1	9	5	2	2	3	2	5	14	29	172
8	2	1	2	4	7	5	3	1	10	4	2		1	1	13	8	2	3	8	2	9	21	75	282
2	11	15	36	97	38	63	11	13	23	31	43	30	9	36	72	66	10	13	39	23	49	97	226	1,825
2	1	3		4		1	1		2	1				1	5	2		1	3	3	2	9	63	
	2			23	13	9	6		4	3	2	2	2		12	7	1	4	8	4	5	5	18	275
2		1	2	4		2	1	1	2		1	2		1	2	2		1	2	5	4	3	12	88
0		1	1	6	3	3	3	1	3	4	4	1		2	3	10		4	10	5	5	7	22	183
9	7	17	13	20	16	11	2	5	16	12	43	5	11	29	36	28	6	11	17	11	17	29	225	1,089
1	3	3	6	17	7	12	6	2	7		10	3	2	9	9	11	2	10	9	6	11	15	38	425
2			2						3	2	1	1		2	4	4			1		1	4	10	47
3	2			7	2	6	2		2	1	1				2	1			5	1	2	1	4	97

3\* R.G.

TABLE No. 1

TOTAL DEATHS BY INDIVIDUAL

		Algoma.	Brant.	Bruce.	Carleton.	Chaffin.	Elgin.	Essex.	Frontenac.	Grey.	Haldimand.	Halton.	Haliburton.	Hastings.	Huron.	Kent.	Lambton.	Lanark.	Leeds & Grenville.	Lennox & Addington.
Puerperal Diseases.	Other Diseases of the Int'st	3	3	3	3	3	13	8	10	10	2	1	1	6	11	4	10	1	4	5
	Peritonitis (n't puerperal)	2	3	10	20	5	5	5	10	10	3	3	1	7	9	5	9	2	3	6
	Iliac abscess (typhilitis, peri-	4	6	10	1	2	5	5	4	3	4	3	3	6	3	5	4	3	3	3
	typhilitis, appendicitis.	3	2	1	15	1	1	1	6	1	2	2	4	5	3	4	1	7	3	3
	Acute Nephritis	1	10	4	11	3	1	9	6	6	4	7	13	8	5	11	5	1	6	4
	Bright's Disease	4	3	4	14	5	6	5	4	..	..	..	..	8	5	7	1	2	1	1
	Other Diseases of the Kid-	1	3	1	1	1	2	2	1	8	3	1	4	6	2	3	2	4	1	1
	neys and Adnexa	1	1	3	3	1	1	2	1	8	3	1	4	6	2	3	2	4	1	1
	Vesical Calculi.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Diseases of the Bladder.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of the Male Gen-ital Organs.	Metritis	..	..	..	..	..	..	1	..	1	..	..	..	1	..	..	..	..	..	..
	Other Diseases of the Uterus	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
	Ovarian Cysts and other	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Ovarian Tumors	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Other diseases of the Fe-	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
	male Genital Organs	..	3	3	1	2	3	1	4	1	2	3	3	3	3	2	1	2	..	2
	Puerperal Septicaemia	2	2	1	1	1	1	..	6	..	1	4	4	..	1	..	..	..	..	..
	Puerperal Albuminuria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	and Convulsions	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Other accidents of Preg-	..	..	2	2	2	4	3	1	..	2	..	..	..	5	3	..	3	..	..
nancy sudden death	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Puerperal Disease of the Breast.	Puerperal Disease of the	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Breast	..	..	5	3	2	..	2	8	..	2	..	..	1	1	4	2	..	..	..
	Erysipelas	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Other Dis. of the Skin & its	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Adnexa (Cancer excepted)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Pott's Disease	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..
	Dis. of Bones and Joints	..	1	..	..	2	..	..	2	..	..	..	..	1	..	1	..	..	..	1
	Amputation (for unspec-	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ified disease)	10	23	9	90	6	7	31	12	16	3	13	6	20	20	27	18	12	5	1
	Still-Births	50	33	52	165	21	17	81	41	45	12	13	10	34	42	66	42	25	38	14
Malforma-tions.	Malformations	6	6	8	13	1	1	5	..	..	..	..	..	1	7	2	..	1	5	..
	Other Diseases of Infancy	17	55	106	112	35	71	69	98	126	43	29	8	106	124	86	109	68	121	50
	Senile decay	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
	Poison	..	2	2	..	2	..	1	2	..	1	..	..	1	2	1	1	..	1	..
	Strangulation	..	2	2	..	2	..	1	2	..	1	..	..	1	2	1	1	..	1	..
	Gas Poisoning	1	2	..	1	..	1	..	..	..	..	..	..	1	2	2	..	..	..	..
	Drowning	1	2	..	1	..	1	..	..	..	..	..	..	1	2	2	..	..	..	..
	Firearms	1	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
	Fractures & Dislocations	5	5	11	11	2	10	5	11	15	5	2	2	11	9	16	15	5	11	5
	Gunshot	1	..	..	1	..	..	..	1	..	1	..	..	1	1	1	2	..	..	..
Accidents.	Lightning	1	..	..	..	..	..	..	..	..	..	..	1	..	1	2	..	..	..	..
	Drowning	8	5	3	13	1	3	12	4	7	5	1	1	13	6	4	8	7	9	3
	Electric Cars	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Bicycles	1	1	..	3	6	3	2	..	1	3	..	..	3	2	8	1	..	5	..
	Railways	1	1	1	9	3	6	3	1	1	1	3	..	3	1	..	3	1	3	..
	Burns and Scalds	1	2	..	4	1	..	5	1	1	1	..	..	3	1	..	3	1	3	..
	Homicide	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Smothered	..	2	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
	Dropsy	4	4	11	11	2	11	9	9	16	4	1	14	8	8	3	10	7	7	2
	Tumors	4	5	5	14	4	3	5	8	3	3	4	1	5	4	11	11	5	5	2
Other Ill-Defined Causes	5	1	1	3	3	..	1	2	2	..	2	12	2	4	4	3	6	1	..	
Accidental Poisoning.	Accidental Poisoning	3	1	1	2	1	..	2	..	1	..	..	1	..	1	..	..	..	1	..
	Frost Bite	3	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
	Choked to Death	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Anthrax	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Lockjaw	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
	Suffocation by Gas	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Totals	288	509	713	1,676	246	492	799	654	749	261	256	71	715	762	772	731	462	835	319



DISEASES BY COUNTIES IN 1899.

[illegible]

TABLE No. 14.

Total Deaths by Individual Diseases in Cities in 1899.

General diseases.	Toronto.	Hamilton.	Ottawa.	London.	Kingston.	Brantford.	St. Thomas.	Guelph.	St. Catharines.	Belleville.	Stratford.	Windsor.	Chatham.	Totals.
<b>I.—COMMUNICABLE (EPIDEMIC) DISEASES.</b>														
Typhoid Fever .....	41	17	25	5	3	19	3	1	4	4	3	4	1	130
Smallpox .....	1	10	1											2
Measles .....	50	10	3	10	2	3	1	1	7	1	1			89
Scarlet Fever .....	19	6		1								1	1	28
Whooping Cough .....	103	17	36	11	2	2	4	4	6	2		1		183
Diphtheria and Croup .....	50	8	14	14	7	3	3	10	2	1	1	2	2	117
Influenza .....	1			1										2
Other epidemic diseases .....														
<b>II.—OTHER GENERAL DISEASES.</b>														
Pyæmia and Septicæmia .....	33	1	13	12	....	4	1	2	2	....	1	3	1	73
Malarial Fever .....	467	90	133	73	48	34	9	21	28	16	18	22	21	980
Tuberculosis and Scrofula .....	3													3
Syphilis .....	134	30	42	26	14	9	11	17	11	7	5	6	8	320
Cancer .....	6	6	5			2	1		2	1	1	1		28
Rheumatism and Gout .....	17	4	4	4	3	....	1	1	1	1	3	....	1	40
Diabetes .....	32	6	11	3	9	3	1	2	4	4	1	....	2	78
Other general diseases .....	7													7
Alcoholism, Acute and Chronic														
<b>LOCAL DISEASES.</b>														
<b>III.—DISEASE OF NERVOUS SYSTEM AND ORGANS OF SENSE.</b>														
Encephalitis .....	20	6	8	6	2	1	3	1	1					48
Simple Meningitis .....	64	8	28	6	2	7	1	1	1	1	1	4	3	127
Epidemic Cerebro-spinal Meningitis .	17	3	17	10	3	3	1	1	2	1		2		60
Congestion and Hemorrhage of the Brain .....	113	23	31	14	5	8	1	11	9	7	1	5	9	237
Softening of the Brain .....	10	2	1	1				2					3	16
Paralysis without specific cause .....	54	14	26	22	17	9	8	4	5	5	2	9	5	180
Insanity .....	4	1		2										7
Epilepsy .....	15			4		1			1		1			22
Convulsions (not puerperal) .....	91	24	83	19	3	12	10	6	2	4	3	5	3	265
Other nervous diseases .....	8	1	2			1				1		1		14
<b>IV.—DISEASES OF CIRCULATORY SYSTEM.</b>														
Pericarditis .....	4	1											1	6
Endocarditis .....	13	2	3	1					1		2	1		23
Organic Heart Diseases .....	189	51	55	41	19	11	6	5	7	11	7	20	14	436
Angina Pectoris .....	14	1	2	1			1			3				27
Diseases of the Arteries, Atheroma, Aneurism, etc. ....	9	1	4	1	2	1							1	19
Other diseases of the Circulatory System .....	42	6	9	4	4	4	2	2	2	1			2	73
<b>V.—DISEASES OF THE RESPIRATORY SYSTEM.</b>														
Acute Bronchitis .....	63	20	25	4	2	5	1	5	5	4	2	2	4	145
Chronic Bronchitis .....	25	6	10		2	1		1	3			1	3	50
Broncho-pneumonia .....	62	15	14	3	1	3		4	2	1		2	2	103
Pneumonia .....	193	63	54	45	27	15	6	10	7	18	4	5	10	455
Pleurisy .....	9	2												11
Congestion of the Lungs (including pulmonary apoplexy) .....	13	5	7		1	2		4		2	1	1	1	33
Asthma and Emphysema .....	11	2	7		1		1						1	23
Other diseases of the Respiratory System .....														
<b>VI.—DISEASES OF THE DIGESTIVE SYSTEM.</b>														
Ulcer of the Stomach .....														
Other diseases of the stomach (Cancer excepted) .....	13	4	6	4	1	2	2		1	2	1	1	1	33
Infantile Diarrhea and Gastro-enteritis, ("Cholera Infantum") .....	196	18	139	20	15	9	4	8	16	9	2	7	2	444
Diarrhea and Enteritis (not infantile) ..	25	10	32	7	5	2	2		2	2		2	4	99
Dysentery .....	8	4		1						1				13
Hernia and Intestinal obstructions ..	2	2	5	1	1			1	1		1	2		11
Other diseases of the Intestines .....	8	2	3			1		1	1		1	1	1	16
Diseases of the Liver .....	27	4	6	2	6	5	5	1		4			2	66

TABLE No. 14.—Continued.

General diseases.	Toronto.	Hamilton.	Ottawa.	London.	Kingston.	Brantford.	St. Thomas.	Guelph.	St. Catharines.	Belleville.	Stratford.	Windsor.	Chatham.	Totals.
Proctitis (not puerperal) .....	33	5	16	3	4	1	3	2	1	1	....	3	1	73
Rectal abscess (typhlitis, perityphlitis, appendicitis) .....	22	7	7	2	4	....	....	....	....	1	2	....	....	45
VIII.—DISEASES OF THE GENITO-URINARY SYSTEM.														
Acute Nephritis .....	22	3	13	1	....	1	....	1	1	1	....	....	1	44
Bright's Disease .....	85	28	8	13	3	4	....	7	3	5	3	1	1	161
Other diseases of the Kidneys and Adnexa .....	2	....	6	....	1	3	....	....	....	1	....	2	2	17
Medical Calculi .....	2	....	1	1	....	....	1	....	1	1	1	....	....	8
Diseases of the Bladder .....	16	2	3	....	1	1	....	....	2	1	....	2	....	28
Diseases of the male Genital Organs. ....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Proctitis .....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Other diseases of the Uterus .....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Ovarian Cysts and other Ovarian Tumors .....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Other diseases of the female Genital Organs .....	1	....	....	....	....	....	....	....	1	....	....	....	....	2
VIII.—PUERPERAL DISEASES.														
Puerperal Septicaemia .....	4	2	....	1	....	1	....	2	....	....	....	1	....	11
Puerperal Albuminuria and Convulsions .....	6	2	1	1	....	....	....	....	1	....	....	1	....	12
Other accidents of Pregnancy sudden death .....	7	2	1	....	1	....	2	....	....	....	1	....	....	14
Puerperal Disease of the Breast .....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
IX.—DISEASES OF THE SKIN AND CELLULAR TISSUE.														
Erysipelas .....	7	2	3	3	....	....	....	1	....	....	....	....	....	16
Other diseases of the Skin and its Adnexa (Cancer excepted) .....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
X.—DISEASES OF THE LOCOMOTOR SYSTEM.														
Gout's Disease .....	2	....	....	1	....	....	....	....	....	....	....	....	....	3
Disease of Bones and Joints .....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Amputation (for unspecified disease) .....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
I.—MALFORMATIONS, DISEASES OF INFANCY, DISEASES OF OLD AGE.														
Still-Births .....	179	36	77	13	10	16	2	8	5	10	5	6	7	374
Constitutional Debility and Malformations .....	265	57	129	29	16	17	4	14	14	10	9	13	10	587
Other diseases of Infancy .....	9	1	4	....	....	1	1	....	....	....	2	5	1	24
Infantile decay .....	164	38	67	58	48	24	20	13	8	15	15	13	19	502
XII.—SUICIDE.														
Poison .....	4	....	....	1	....	....	....	....	....	....	....	1	....	6
Strangulation .....	3	1	....	....	1	....	....	....	....	....	....	....	....	5
Gas Poisoning .....	1	....	....	....	....	....	....	....	....	....	....	1	....	2
Drowning .....	1	....	1	....	....	....	....	....	....	....	....	1	....	3
Firearms .....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
XIII.—ACCIDENTS.														
Fractures and Dislocations .....	49	11	8	9	6	3	4	3	3	2	1	2	8	169
Unshot .....	1	....	....	....	1	....	....	....	....	....	....	....	....	2
Lightning .....	23	5	6	1	2	4	1	....	3	3	....	3	2	53
Drowning .....	5	....	....	....	....	....	....	....	....	....	....	....	....	7
Electric Cars .....	2	....	....	....	....	....	....	....	....	....	....	....	....	2
Bicycles .....	9	3	6	3	1	1	2	....	....	3	....	1	4	33
Railways .....	4	2	4	2	....	1	....	1	....	....	....	1	....	15
Burns and Scalds .....	....	....	....	....	....	1	....	....	....	....	....	....	....	1
Fomicide .....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
XIV.—ILL-DEFINED CAUSES.														
Dropsy .....	16	5	7	7	2	2	2	....	....	....	2	2	2	47
Tumors .....	28	6	8	5	4	2	....	....	1	1	....	1	4	60
Other ill-defined causes .....	16	3	1	4	....	....	1	1	....	3	2	....	....	31
Lockjaw .....	1	....	5	3	....	....	....	....	....	....	....	....	1	10
Asphyxiation by Gas .....	8	....	....	....	....	....	....	....	....	....	....	....	....	8
Accidental Poison .....	6	2	2	2	....	....	....	....	....	1	....	....	....	13
Strangulation .....	....	....	....	....	1	....	....	....	....	....	....	....	....	1
Roast Bite .....	....	....	....	....	....	....	....	....	....	....	....	....	....	1
Totals .....	3,289	719	1,248	544	313	265	132	180	180	173	107	176	174	7,500



TABLE

Total Deaths by Individual

General Diseases.	Barrie.	Berlin.	Bracebridge.	Brockville.	Brampton.	Cayuga.	Cobourg.	Cornwall.	Goderich.	Lindsay.	Milton.	Napanee.	Niagara Falls.
<b>I.—COMMUNICABLE (EPIDEMIC) DISEASES.</b>													
1. Typhoid Fever			1	6	1		1	2	1	4		1	1
2. Smallpox													
3. Measles		5	1	1	4								
4. Scarlet Fever			2				2						1
5. Whooping Cough				1	1	2	3	10					2
6. Diphtheria and Croup	1	3							1	3	2	2	
7. Influenza		8		2	3			2					
8. Other Epidemic Diseases													
<b>II.—OTHER GENERAL DISEASES.</b>													
1. Pyæmia and Septicæmia			1	4	1			1					
2. Malarial Fever													
3. Tuberculosis and Scrofula	9	6	4	24	9		11	24	6	11	1	8	7
4. Syphilis													
5. Cancer	3	8	1	7	1		2	3	3	2	1	1	2
6. Rheumatism and Gout							1			1			
7. Diabetes	1			1			1		1				
8. Other General Diseases	1	3		1	3		1	2		1			
9. Alcoholism, Acute and Chronic				1							1		
<b>LOCAL DISEASES.</b>													
<b>III.—DISEASES OF NERVOUS SYSTEM AND ORGANS OF SENSE.</b>													
1. Encephalitis			1				1	3	1	2			
2. Simple Meningitis				3			1	4		2			1
3. Epidemic Cerebro-Spinal Meningitis		3		2				2	1	1		1	1
4. Congestion and Hemorrhage of the Brain	2	4		3	1	1	2	5	1	2	1	2	4
5. Softening of the Brain	1	1		1					1				1
6. Paralysis without specified cause	3	5	1	3	2		4	2		2		1	1
7. Insanity													
8. Epilepsy				1					1				
9. Convulsions (not puerperal)	1	2	1				1	1		1	1	1	2
10. Other Nervous Diseases		2		1									
<b>IV.—DISEASES OF CIRCULATORY SYSTEM.</b>													
1. Pericarditis												1	1
2. Endocarditis	1	1	1	1	1					2			
3. Organic Heart Diseases	2	3		5	1		8	7	5	4		1	2
4. Angina Pectoris	1			1	1		1						
5. Diseases of the Arteries, Atheroma, Aneurism, etc				1									
6. Other Diseases of the Circulatory System				2		1	1			3			2
<b>V.—DISEASES OF THE RESPIRATORY SYSTEM.</b>													
1. Acute Bronchitis	2	5	4	3			2	5	1				
2. Chronic Bronchitis	2	1		2				1		1	1		1
3. Broncho pneumonia		2	1	2	1			2		1			
4. Pneumonia	6	10	1	4	2	1	10	10	1	2	2	12	2
5. Pleurisy			1						1				
6. Congestion of the Lungs (including pulmonary apoplexy)	1							1		1			1
7. Asthma and Emphysema		1										1	
8. Other Diseases of the Respiratory System													
<b>VI.—DISEASES OF THE DIGESTIVE SYSTEM.</b>													
1. Ulcer of the Stomach													
2. Other Diseases of the Stomach (cancer excepted)		1		2					1				
3. Infantile Diarrhœa and Gastro-enteritis ("Cholera Infantum")	2	4	2	5	2	1	4	7	4	4		1	5
4. Diarrhœa and Enteritis (not infantile)	3	3		3		2		3	1	2			
5. Dysentery							2						
6. Hernia and Intestinal obstructions								1					

## Diseases by Towns in 1899.

North Bay.	Orangeville.	Owen Sound.	Parry Sound.	Peterborough.	Pembroke.	Perth.	Picton.	Port Arthur.	Rat Portage.	Sarnia.	Sault Ste. Marie.	Simcoe.	Toronto Junction.	Walkerton.	Welland.	Whitby.	Woodstock.	Total.
1	.....	1	2	6	3	.....	.....	1	5	2	1	.....	3	2	2	.....	8	55
2	.....	.....	.....	2	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1	17
2	.....	1	.....	1	6	4	.....	.....	3	1	.....	.....	.....	.....	.....	.....	.....	11
1	.....	2	.....	6	2	4	2	1	3	4	1	2	1	1	1	.....	3	44
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	57
.....	1	5	1	1	.....	1	1	1	.....	2	.....	.....	.....	1	.....	1	.....	22
3	2	21	10	23	12	8	8	7	5	7	3	1	9	3	5	.....	23	270
1	2	4	2	5	3	2	2	.....	1	5	1	.....	.....	.....	1	2	8	73
.....	.....	.....	1	1	.....	1	2	1	2	1	2	.....	1	1	.....	1	1	7
1	.....	1	.....	1	2	.....	1	1	1	3	.....	2	1	1	.....	1	2	14
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	30
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
.....	1	.....	.....	2	2	.....	1	.....	1	3	.....	.....	.....	2	1	.....	1	22
1	1	1	2	1	2	.....	.....	.....	.....	.....	1	.....	5	1	.....	.....	2	28
.....	3	.....	.....	.....	2	.....	1	.....	.....	.....	.....	1	.....	2	.....	.....	.....	25
1	.....	5	2	5	2	5	.....	4	.....	.....	4	2	1	1	.....	.....	5	63
.....	7	2	.....	3	.....	6	1	1	.....	1	.....	2	2	3	6	1	4	6
.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	63
2	.....	1	5	4	3	1	.....	3	7	1	2	.....	6	1	2	2	2	1
.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	54
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
1	2	3	1	13	8	1	3	1	.....	2	.....	2	4	.....	4	1	12	10
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1	96
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
.....	.....	1	.....	1	1	1	3	2	6	3	2	.....	1	2	1	2	1	1
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	36
1	.....	.....	.....	1	1	3	.....	1	2	.....	1	.....	1	.....	1	.....	.....	34
.....	.....	1	.....	1	.....	.....	.....	2	.....	.....	.....	2	.....	1	.....	.....	2	18
2	1	4	1	3	3	4	5	9	1	6	3	2	1	1	.....	1	13	18
1	.....	.....	.....	13	.....	.....	.....	.....	3	1	.....	.....	.....	.....	.....	.....	.....	136
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5
.....	2	1	.....	.....	1	.....	.....	1	.....	.....	.....	2	1	.....	.....	.....	1	13
.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	4
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	1	1	1	.....	1	1	.....	.....	1	.....	.....	1	.....	.....	.....	1	12
3	.....	5	1	5	5	2	1	1	10	5	1	1	6	.....	2	.....	3	92
2	.....	5	1	.....	2	1	.....	.....	.....	1	1	2	1	.....	1	.....	4	38
.....	.....	1	.....	1	1	.....	.....	.....	.....	1	.....	.....	1	.....	.....	.....	1	7
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	3

TABLE

General Diseases.	Barrie.	Berlin.	Bracebridge.	Brockville.	Brampton.	Cayuga.	Cobourg.	Cornwall.	Goderich.	Lindsay.	Milton.	Napanee.	Niagara Falls.
VI.—DISEASES OF THE DIGESTIVE SYSTEM.— <i>Continued.</i>													
7. Other Diseases of the Intestines .....	.....	.....	.....	3	.....	.....	.....	.....	1	2	.....	.....	.....
8. Diseases of the Liver .....	1	.....	.....	.....	.....	.....	1	.....	2	2	.....	.....	.....
9. Peritonitis (not puerperal) .....	.....	1	.....	2	1	.....	.....	.....	.....	1	1	1	.....
10. Iliac abscess (typhlitis, perityphlitis, appendicitis) .....	.....	.....	1	.....	.....	.....	1	1	1	.....	.....	1	2
VII.—DISEASES OF THE GENITO-URINARY SYSTEM.													
1. Acute Nephritis .....	.....	2	2	1	.....	.....	.....	.....	2	.....	.....	.....	.....
2. Bright's Disease .....	.....	5	1	4	2	.....	1	3	3	2	.....	.....	1
3. Other Diseases of the Kidneys and Adnexa .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4. Vesical Calculi .....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5. Diseases of the Bladder .....	.....	.....	.....	.....	1	1	2	.....	.....	.....	.....	.....	.....
6. Diseases of the male Genital Organs .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7. Metritis .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
8. Other Diseases of the Uterus .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
9. Ovarian Cysts and other Ovarian Tumors .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10. Other Diseases of the Female Genital Organs .....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
VIII.—PUERPERAL DISEASES.													
1. Puerperal Septicaemia .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
2. Puerperal Albuminuria and Convulsions .....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
3. Other accidents of Pregnancy sudden death .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4. Puerperal Disease of the Breast .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
IX.—DISEASES OF THE SKIN AND CELLULAR TISSUE.													
1. Erysipelas .....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2. Other Diseases of the Skin and its Adnexa (Cancer excepted) .....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
X.—DISEASES OF THE LOCOMOTOR SYSTEM.													
1. Pott's Disease .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
2. Diseases of Bones and Joints .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3. Amputation (for unspecified Disease) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
XI.—MALFORMATIONS, DISEASES OF INFANCY, DISEASES OF OLD AGE.													
1. Still-Births .....	1	1	1	.....	1	.....	2	2	4	5	.....	1	5
2. Congenital Debility and Malformations .....	1	4	3	13	2	2	1	14	2	7	2	.....	6
3. Other Diseases of Infancy .....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4. Senile Decay .....	11	15	2	11	1	1	10	9	6	3	.....	3	8
XII.—SUICIDE.													
1. Poison .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2. Strangulation .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3. Gas Poisoning .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4. Drowning .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5. Firearms .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
XIII.—ACCIDENT.													
1. Fractures and Dislocations .....	.....	4	.....	2	1	.....	2	1	2	1	.....	.....	.....
2. Gunshot .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3. Lightning .....	.....	.....	1	3	.....	1	2	3	1	2	.....	.....	.....
4. Drowning .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5. Electric Cars .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6. Bicycles .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7. Railways .....	.....	1	.....	1	.....	.....	.....	.....	.....	1	.....	.....	2
8. Burns and Scalds .....	1	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	1
9. Homicide .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
XIV.—ILL-DEFINED CAUSES.													
1. Dropsy .....	1	3	.....	2	.....	.....	.....	.....	.....	3	.....	1	1
2. Tumors .....	2	1	.....	2	.....	.....	.....	.....	.....	1	.....	.....	.....
3. Other Ill-Defined Causes .....	.....	2	.....	2	.....	.....	.....	2	1	.....	.....	.....	.....
4. Lock-jaw .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5. Accidental Poison .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6. Suffocation by Gas .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total .....	60	127	33	141	43	14	83	135	56	83	13	40	63



North Bay.	Orangeville.	Owen Sound.	Parry Sound.	Peterborough	Pembroke.	Perth.	Picton.	Port Arthur.	Rat Portage.	Sarnia.	Sault Ste. Marie.	Simcoe.	Toronto Junction.	Walkerton.	Welland.	Whitby.	Woodstock.	Total.
2	13	1	1	1	2			1	1	2							1	13
	3	1	1	2			1	1	1	4	1		1		1	1	2	19
		3	2		2			1										26
						1				1	1						1	13
				2	2								1			1		13
	2	1		1	1		2	3		4	1				1		2	40
			1			1		1			2			1			1	4
				1									1	1		1	2	2
																		13
			1						2									1
																		2
															1			3
																		2
																		1
																		1
				1														1
																		1
16	13	49	5	1410	72	33	23	48	12	111	16	26	27	4	1	12	610	661606199
2	4	14	5	17		4	11	2	2	10	14	1	6	12	4	4	17	3
		3																
		3																3
				1			1											2
			2	2	1			1	6	3		1		1		1	3	33
	1			1														3
				3	1		1		6	2		1	1		1			29
2	2			1								1	2			1	1	15
																		5
		1	1		1		1		1			1		2		1	4	20
1	2	1		1		1		1	1		1					1	1	17
			1		2			1			1							18
										3								1
																		4
																		3
39	39	116	51	168	77	58	54	64	74	98	44	34	76	46	38	28	155	2,150

TABLE  
Deaths from Consumption in

Counties.	Agents.	Artists.	Architects.	Bakers.	Barbers.	Butchers.	Bartenders.	Bookkeepers.	Bookbinders.	Blacksmiths.	Brickmakers.	Bankers.	Builders and contractors.	Carpenters.	Cabinetmakers.	Coopers.	Cooks.
Algoma .....	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..
Brant .....	1	..	..	..	1	..	1	..	..	..	1	..	..	1	1	..	..
Bruce .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Carleton .....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Dufferin .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Elgin .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Essex .....	..	..	..	1	..	..	..	1	..	..	..	1	..	..	..	..	..
Frontenac .....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
Grey .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Haldimand .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Haliburton .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halton .....	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	1
Hastings .....	..	..	..	..	..	..	..	..	..	1	..	..	..	2	..	..	..
Huron .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kent .....	1	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..
Lambton .....	1	..	..	..	1	1	1	..	..	..	..	..	..	3	..	..	..
Lanark .....	..	..	..	..	1	1	..	..	..	..	..	..	..	1	..	..	..
Leeds and Grenville .....	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Lennox and Addington .....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Lincoln .....	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..
Middlesex .....	2	..	..	2	1	..	..	2	..	1	..	..	..	..	..	1	..
Muskoka .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Norfolk .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Northumberland and Durham .....	..	..	..	..	..	..	1	1	..	..	..	..	1	..	..	..	..
Nipissing .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ontario .....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Oxford .....	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..
Peel .....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Perth .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Peterborough .....	..	..	..	..	1	..	..	..	..	1	..	..	..	1	..	..	1
Prescott and Russell .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Prince Edward .....	1	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..
Parry Sound .....	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..
Rainy River .....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Renfrew .....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Stormont, Dundas and Glengarry .....	1	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..
Simcoe .....	1	1	1	..	..	..	..	..	..	1	..	..	..	1	..	..	..
Thunder Bay .....	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Victoria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waterloo .....	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Welland .....	1	..	..	..	1	1	..	..	..	..	..	1	..	1	..	..	..
Wellington .....	1	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Wentworth .....	1	1	..	..	..	..	..	2	2	..	..	..	..	..	..	1	..
York .....	5	..	..	1	1	..	2	3	..	2	..	..	..	6	..	..	..
Totals .....	17	1	1	5	6	4	5	12	..	8	1	2	1	28	4	4	2

No. 16.

### Ontario by Occupations in 1899

[illegible]



TABLE  
Deaths from Consumption in

Counties.	Machinists.	Merchants.	Mechanics.	Milliners.	Miners.	Milkmen.	Manufacturers.	Millers.	Moulders.	Musicians.	Nurses.	Nuns.	Painters.	Pedlars.	Physicians.	Plasterers.
Algoma .....	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..
Brant .....	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
Bruce .....	1	..	4	1	..	..	..	..	..	1	..	..	3	..	..	..
Carleton .....	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Dufferin .....	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..
Elgin .....	..	..	1	1	..	..	1	..	..	..	..	..	..	..	..	..
Essex .....	..	1	1	1	..	..	1	..	..	..	..	..	1	..	1	..
Frontenac .....	1	1	1	..	..	..	..	..	..	..	..	..	1	..	..	..
Grey .....	..	2	..	..	..	..	..	..	..	..	1	..	..	..	1	..
Haldimand .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Haliburton .....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Halton .....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Hastings .....	..	1	3	..	..	..	..	..	..	..	..	..	..	..	1	..
Huron .....	..	1	1	1	..	..	..	..	..	..	..	..	..	1	..	..
Kent .....	..	1	1	..	..	..	..	..	..	..	..	..	..	1	..	..
Lambton .....	..	1	1	..	..	..	..	..	..	1	..	..	1	..	..	..
Lanark .....	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Leeds and Grenville .....	1	..	2	..	..	..	..	..	..	..	..	..	1	..	..	..
Lennox and Addington .....	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Lincoln .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Middlesex .....	..	2	1	..	..	..	1	..	1	..	..	1	1	..	2	..
Muskoka .....	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..
Norfolk .....	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1
Northumberland and Durham .....	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..
Nipissing .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ontario .....	..	2	..	..	..	..	..	..	1	..	..	..	1	..	..	..
Oxford .....	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Peel .....	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Perth .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Peterborough .....	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Prescott and Russell .....	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Prince Edward .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Parry Sound .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rainy River .....	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Renfrew .....	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	1
Stormont, Dundas and Glengarry .....	..	4	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Simcoe .....	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Thunder Bay .....	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Victoria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waterloo .....	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Welland .....	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Wellington .....	..	4	1	..	..	..	..	..	..	..	..	..	2	..	..	..
Wentworth .....	2	5	..	..	..	..	..	..	..	..	..	..	2	..	..	..
York .....	7	3	13	1	..	2	1	..	..	2	2	2	7	..	..	2
Totals .....	14	30	37	2	2	2	3	2	3	4	9	3	23	1	6	4

No. 16 — *Concluded.*

Ontario by Occupations in 1899.

[illegible]

TABLE No. 17.

Deaths from Consumption by Sex and Ages, by Counties in 1899.

Counties.	Sex.	Ages.																	Totals.	
		Under 5.				5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 & over.		Not given.
		0-1.	1	2	3															
Algoma .....	Males...	.....	.....	.....	.....	1	.....	.....	1	4	1	1	.....	.....	1	3	.....	.....	1	
	Females.	.....	1	.....	1	.....	1	1	2	2	4	.....	1	.....	.....	1	.....	.....	1	
		.....	1	.....	1	1	1	1	3	6	5	1	1	.....	1	4	.....	.....	2	
Brant.....	Males ..	2	2	.....	.....	.....	.....	3	1	2	3	3	.....	1	3	2	.....	.....	2	
	Females.	2	1	.....	.....	3	.....	5	4	6	4	3	1	6	1	2	.....	.....	3	
		4	3	.....	.....	3	.....	8	5	8	7	6	1	7	4	4	.....	.....	6	
Bruce .....	Males...	3	.....	1	.....	.....	2	1	6	5	2	9	3	2	2	1	1	.....	3	
	Females.	7	.....	1	.....	1	1	2	8	10	1	6	4	.....	6	2	.....	.....	4	
		10	.....	2	.....	1	3	3	14	15	3	15	7	2	8	3	1	.....	8	
Carleton .....	Males...	10	2	.....	1	1	1	3	10	15	9	5	8	6	7	3	7	2	9	
	Females.	14	.....	1	1	2	2	8	20	9	6	7	7	4	5	5	1	.....	9	
		24	2	.....	2	2	3	5	18	35	18	11	15	13	11	8	12	3	18	
Dufferin.....	Males...	1	.....	.....	1	1	.....	.....	2	3	1	2	.....	.....	.....	.....	.....	.....	1	
	Females.	1	.....	.....	.....	.....	.....	4	4	1	1	2	1	1	.....	.....	.....	1	16	
		2	.....	.....	1	1	.....	4	6	4	2	4	1	1	.....	.....	.....	1	27	
Elgin .....	Males...	3	.....	.....	.....	.....	1	1	2	4	5	1	.....	4	2	4	4	1	3	
	Females.	.....	.....	.....	.....	2	1	1	5	1	2	.....	4	.....	4	1	.....	.....	2	
		3	.....	.....	.....	2	2	2	7	5	7	1	4	4	6	5	4	1	53	
Essex.. .....	Males...	5	.....	.....	.....	2	.....	5	4	7	6	4	1	3	3	3	1	.....	4	
	Females.	4	2	1	.....	1	2	4	8	8	4	4	2	.....	1	1	.....	.....	4	
		9	2	1	.....	3	2	9	12	15	10	8	3	3	4	4	1	.....	86	
Frontenac.....	Males...	4	.....	1	1	.....	1	4	7	6	4	1	1	2	6	1	2	2	43	
	Females.	1	.....	1	.....	1	2	3	12	6	4	5	5	2	1	.....	.....	.....	43	
		5	.....	2	1	1	3	7	19	12	8	6	6	4	7	1	2	2	86	
Grey .....	Males...	2	.....	2	.....	.....	.....	2	9	5	4	3	2	.....	6	2	2	.....	3	
	Females.	5	.....	.....	.....	1	.....	5	8	6	6	5	2	3	4	2	1	.....	4	
		7	.....	2	.....	1	.....	7	17	11	10	8	4	3	10	4	3	.....	37	
Haldimand.....	Males...	1	.....	.....	.....	1	.....	.....	1	.....	1	2	1	1	2	2	1	.....	13	
	Females.	2	.....	.....	.....	1	.....	1	.....	.....	1	2	2	.....	.....	.....	.....	.....	9	
		3	.....	.....	.....	1	1	.....	2	.....	2	4	3	1	2	2	1	.....	22	
Haliburton.....	Males...	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	
	Females.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
		.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	
Halton .....	Males...	.....	.....	.....	.....	1	1	.....	3	2	1	.....	.....	.....	1	1	1	2	13	
	Females.	1	.....	1	.....	.....	1	.....	5	.....	2	1	.....	2	.....	1	1	.....	15	
		1	.....	1	.....	1	2	.....	8	2	3	1	.....	2	1	2	2	2	28	
Hastings .....	Males...	3	.....	1	1	1	3	4	6	4	2	2	2	2	2	2	2	1	38	
	Females.	2	.....	1	1	1	4	5	9	5	3	2	2	1	1	3	1	.....	42	
		5	.....	2	1	2	7	9	15	9	5	4	4	3	3	5	3	1	80	



TABLE No. 17.—Continued.

Deaths from Consumption by Sex and Ages, by Counties in 1899.

Counties.	Sex.	Ages.																	Totals.		
		Under 5.					5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.		80 & over.	Not given.
		0-1.	1	2	3	4															
Huron .....	Males...	2					2	3	3	3	6	5	1	1	2	7	2			37	
	Females	2				1	1	4	4	4	11	6	1	1	4	3	2			44	
		4				1	3	7	7	7	17	11	2	2	6	10	4			81	
Kent .....	Males...	5	2	2	1	1	4	8	7	5	3	6	5	1	2	4	1	1	1	59	
	Females	2					2	9	1	4	7	3	5	3	1		1	1		39	
		7	2	2	1	3	13	9	11	12	6	11	8	2	2	4	2	2	1	98	
Lambton .....	Males...	2	1					3	2	7	6	5	1	1	2	4	2			36	
	Females	1	1					5	7	4	8	3	6	1	2	1	1			40	
		3	2					8	9	11	14	8	7	2	4	5	3			76	
Lanark .....	Males...	2					1	4	4	1			2	1	1	1				17	
	Females	1					2	7	9	1	3	1	2		1	3				30	
		3					3	11	13	2	3	1	4	1	2	4				47	
Leeds and Grenville.	Males...	4	2	1			2	3	5	6	5	8	10	2	3	7	4		1	63	
	Females	5	1				2	8	17	15	4	7	8	4	4	6	2		1	84	
		9	3	1			2	2	11	22	21	9	15	18	6	7	13	6	2	147	
Lennox and Addington.	Males...			1			2	1	3	2	3	1	2	2	2	3				22	
	Females						1	1	3	3	3	1	1	1	2	1	2	1		20	
				1			3	1	4	6	5	4	2	3	4		1			42	
Lincoln .....	Males...	7		1			1	2		5	2	4				1		1	1	30	
	Females	2		1		1	1	2	4	1	4	1	1			4	3	2		27	
		9		2		1	2	4	4	6	6	5	1			5	8	3	1	57	
Middlesex .....	Males...	9					2	1	6	9	6	8	10	7	1	7	8	5		79	
	Females	4	1				1	5	10	10	8	8	5	1	8	2	1	4	1	69	
		13	1				2	2	11	19	16	16	18	12	2	15	10	6	4	148	
Muskoka .....	Males...						1	1	2	2	2	2	1			1	1			13	
	Females		1				1	1	4	1	2						4			14	
			1				2	2	6	3	4	2	1			1	5			27	
Norfolk .....	Males...	1						1		3	1					6	4	1		17	
	Females	2					1	1	1	2	3			2	1	2		1		16	
		3					1	2	1	5	4			2	1	8	4	2		33	
Northumberland and Durham.	Males...	3	3	1		1		1	7	1	3	5			6	5	1			37	
	Females	5	1	3	1		1	3	6	11	10	5	8	6	2	5	5	1		73	
		8	4	4	1	1	1	3	7	18	11	8	13	6	8	10	6	1		110	
Nipissing.	Males...	2	1				1		2						1	1				8	
	Females						2	1	3					2	1					10	
		2	1				2	2	1	5				2	2	1				18	
Ontario .....	Males...	2	1		1	1		2	4	2	2	2	2	2	1	4				26	
	Females	2			2	1		5	5	4	3	5	2	1	4	1	1			36	
		4	1		3	1	1	7	9	6	5	7	4	3	5	5	1			62	

TABLE No. 17.—Continued.

Deaths from Consumption, by Sex and Ages, by Counties in 1899.

Counties.	Sex.	Ages.																			Totals.
		Under 5.					5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 & over.	Not given.	
		0-1.	1	2	3	4															
Oxford .....	Males ...	2	...	...	...	...	1	3	6	...	5	3	5	...	2	1	3	1	...	3	4
	Females.	1	2	...	1	...	1	8	10	...	3	2	5	...	3	6	...	3	...	4	8
		3	2	...	1	...	2	11	16	...	8	5	10	...	5	7	3	4	...	...	8
Peel .....	Males ...	1	...	...	1	...	...	2	2	...	3	1	3	2	...	4	1	...	...	1	2
	Females.	...	1	...	...	...	2	3	4	...	2	1	2	2	...	3	1	...	...	...	2
		1	1	...	1	...	2	5	4	...	5	2	5	4	...	7	2	...	...	...	4
Perth .....	Males ...	1	2	...	1	...	...	2	4	...	4	2	3	2	3	2	1	1	...	1	2
	Females.	2	...	...	...	...	2	5	3	...	8	4	2	3	...	3	1	1	...	3	3
		3	2	...	1	...	2	7	7	...	12	6	5	5	3	5	2	1	...	1	6
Peterborough...	Males ...	2	...	...	...	...	2	1	2	...	4	2	2	1	1	2	4	...	1	2	...
	Females.	3	1	...	...	...	1	4	8	...	5	1	5	2	1	3	1	...	...	3	3
		5	1	...	...	...	3	5	10	...	9	3	7	3	2	5	5	...	1	...	6
Prescott and Russell.	Males ...	2	2	1	...	...	1	1	5	...	6	4	1	2	3	1	2	2	...	...	3
	Females.	...	2	...	...	...	1	4	8	...	11	1	3	...	1	7	1	...	...	3	3
		2	4	1	...	...	1	2	13	...	17	5	4	2	4	8	3	2	...	...	7
Prince Edward.	Males ...	1	...	...	...	...	...	...	2	...	...	4	1	2	2	1	1	...	...	1	...
	Females.	...	...	...	...	...	...	1	3	...	2	1	3	1	2	3	1	...	...	...	...
		1	...	...	...	...	...	1	5	...	2	5	4	3	4	4	2	...	...	...	3
Parry Sound ...	Males ...	2	...	...	...	...	1	1	1	...	4	1	...	...	1	1	3	...	...	1	...
	Females.	1	...	...	...	...	2	5	1	...	3	...	1	...	...	...	1	1	...	...	1
		3	...	...	...	...	3	6	2	...	7	1	1	...	1	1	4	1	...	...	3
Rainy River...	Males ...	1	...	...	...	...	1	...	1	...	...	1	1	...	1	...	...	...	...	...	...
	Females.	1	...	...	1	...	1	...	3	...	...	...	...	...	...	...	...	...	...	...	...
		2	...	...	1	1	1	...	4	...	...	1	1	...	1	...	...	...	...	...	1
Renfrew .....	Males ...	...	...	1	...	...	...	6	6	...	1	2	...	4	...	1	1	...	...	2	...
	Females.	...	...	...	1	...	...	1	5	...	5	3	...	2	1	...	1	1	...	...	2
		...	...	1	1	...	...	7	11	...	6	5	...	2	5	...	2	2	...	...	4
Stormont, Dundas and Glengarry.	Males ...	2	1	1	1	...	1	5	6	...	8	6	9	3	7	9	8	6	...	7	...
	Females.	2	...	...	...	...	1	1	7	...	22	10	6	9	5	4	6	2	...	7	...
		4	1	1	1	...	2	6	13	...	30	16	15	12	12	13	14	8	...	14	...
Simcoe .....	Males ...	7	...	1	...	...	2	6	9	...	9	5	6	2	5	3	4	...	...	5	...
	Females.	...	...	...	1	...	...	8	10	...	14	6	6	1	4	5	3	...	...	5	...
		7	...	1	1	...	2	14	19	...	23	11	12	3	9	8	7	...	...	11	...
Thunder Bay...	Males ...	1	...	...	...	...	...	2	...	...	...	1	3	...	1	1	...	...	...	...	...
	Females.	...	...	1	...	...	...	1	1	...	...	...	1	1	...	...	...	...	...	...	...
		1	...	1	...	...	...	1	3	...	...	1	4	1	1	1	...	...	...	...	1
Victoria .....	Males ...	...	...	...	1	...	...	2	...	...	2	3	1	...	1	4	...	1	...	1	...
	Females.	...	1	...	...	...	...	1	8	...	4	2	3	3	...	1	...	1	1	1	2
		...	1	...	1	...	...	1	10	...	6	5	4	3	1	5	...	2	...	1	4

TABLE No. 17.—*Concluded.*

Deaths from Consumption by Sex and Ages, by Counties in 1899.

Counties.	Sex.	Ages.																		Totals.	
		Under 5.										25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.		80 & over.
		0-1.	1	2	3	4	5-9.	10-14.	15-19.	20-24.											
Waterloo.....	Males ...	3	...	...	...	1	3	2	...	7	...	2	1	2	...	...	3	...	24		
	Females.	2	1	...	...	...	1	6	5	6	2	2	3	2	5	...	2	...	37		
		5	1	...	...	1	3	3	6	12	6	4	3	5	2	5	3	2	61		
Welland .....	Males ...	2	1	...	...	...	1	1	3	5	3	3	...	1	3	2	1	...	26		
	Females.	1	...	...	...	...	2	4	2	7	1	2	1	2	1	2	...	...	25		
		3	1	...	...	...	3	5	5	12	4	5	1	3	4	4	1	...	51		
Wellington.....	Males ...	3	1	...	...	1	...	2	3	6	4	3	2	...	4	3	1	...	33		
	Females.	...	...	...	...	1	1	5	6	3	4	4	2	3	4	2	...	...	35		
		3	1	...	...	2	1	7	9	9	8	7	4	3	8	5	1	...	68		
Wentworth.....	Males ...	10	1	2	2	...	...	3	10	4	7	3	5	2	4	4	3	...	61		
	Females.	13	2	2	...	1	1	5	9	15	10	3	4	...	7	1	1	...	74		
		23	3	4	2	...	1	1	8	19	19	17	6	9	2	11	5	4	135		
York .....	Males ...	60	7	4	6	3	8	2	20	43	21	17	20	11	24	21	7	2	299		
	Females.	55	3	3	2	1	2	8	27	39	24	24	10	16	8	21	10	8	269		
		115	10	7	8	4	10	10	47	82	45	41	30	36	19	45	31	15	568		
		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
Total. ....	Males ...	173	27	18	19	10	30	35	118	217	177	144	149	94	81	130	138	52	14	7	1633
	Females.	146	22	14	12	7	26	60	176	300	250	165	142	122	66	132	79	36	7	10	1772
		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Grand totals ...	.....	319	49	32	31	17	56	95	294	517	427	309	291	216	147	262	217	88	21	17	3405















# REPORT

RELATING TO THE REGISTRATION OF

# BIRTHS, MARRIAGES AND DEATHS

IN THE

# PROVINCE OF ONTARIO

FOR THE

YEAR ENDING 31<sup>ST</sup> DECEMBER

1900.

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PRINTED BY ORDER OF  
THE LEGISLATIVE ASSEMBLY OF ONTARIO.

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1902.



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# THIRTY-FIRST ANNUAL REPORT OF THE REGISTRAR GENERAL OF ONTARIO.

TORONTO, December 31st, 1901.

To the Honourable J. R. STRATTON,

*Registrar-General of the Province of Ontario.*

SIR,—I have the honor to present for your consideration, the thirty-first Annual Report regarding Births, Marriages and Deaths in the Province of Ontario, being for the year, 1900.

## Population.

On pages 50-60 will be found tables giving the population of Ontario for the census year 1891, as taken by the Dominion of Canada, as under the municipal assessment of Ontario for the same year, for the census year 1901, as existing on the 31st of March, and for the year 1900, under the municipal assessment of Ontario.

The total population in 1891 by the census was 2,114,321; and in 1901, 2,182,942, showing an increase of 68,621. Taking the figures of the municipal census, and completing them by using the census figures for Muskoka and Parry Sound, Nipissing and Algoma, where the municipal returns have not been complete, we find that the population was, in 1891, 1,918,465, and in 1900, 2 201,751, showing a difference of 283,286.

By comparing these figures with the figures utilized from year to year in the Registrar-General's Report, based upon the addition to the census figures of 1891, of the natural increase year by year of births over deaths, it is found that the calculated increase in 1900 brought the population to 2,325,712, or 142,770 more than is found by the census to be the population of Ontario in 1901.

Assuming the general correctness of the several returns, although between the census and municipal returns individual discrepancies are so great as to require adjustment in some instances, it is quite clear that the population of Ontario has lost a very considerable population, which was either present in 1891 or which has been born during the inter-censal period. By reference to the returns of the Dominion Immigration Department, it is possible to obtain a rough record of immigrants recorded at the Winnipeg station during this ten year period.

Thus, there were in :—

	Ontario.	Canada. (Including Ontario.)	Foreign.
1897.....		2,373	10,864
1898.....	11,253	13,112	
1899.....	11,591	9,935	

## *Homestead Entries from Ontario at Winnipeg Immigration Station.*

1891.....	950	1896.....	309
1892.....	1,575	1897.....	455
1893.....	844	1898.....	1,019
1894.....	466	1899.....	1,887
1895.....	312	*1900.....	1,819

\* Thus in 1900 there were 1,819 homestead entries from Ontario in a total of 7,850, giving an estimated population of 24,568.



Remarks in different Reports of the Agricultural Department point out, that with the immigrants making homestead entries, there were, roughly speaking, one fifth of them persons entered as children, under 12 years. Further, as in 1898, the number of homestead entries of emigrants from Ontario was almost exactly 1 to every 10 emigrants, or there being 8,597 Ontario homestead entries in the ten years, there will have been 96,160 persons from Ontario during these ten years.

To illustrate the fact of this removal of population from Ontario, it is found from the 1901 census that the West has increased during the intercensal period as follows :—

*Population of Canada by Provinces in 1891-1901.*

	1891.	1901.	Increase.
Manitoba—total population .....	152,506	254,947	102,441
North-West Territories (including unorganized Terr.) in 1891..	32,168	158,941	126,773
British Columbia .....	98,173	177,672	79,499
Yukon .....	(Non-existent)	27,167	
Unorganized Territories .....	(See N. W. Terr.)	25,546	

Unfortunately there are no figures to exactly estimate the many persons who have gone to the West to engage in business ; but allowing for the immigrants from Europe and the United States, it will appear from the data given, that on the basis of the entries at Winnipeg, Ontario will have sent to the West considerably more than 100,000 persons during the ten-year period.

Another source of loss by emigration has been to the United States. The census of 1900 gives the number of Canadians in the United States as 1,181,778, while there were 980,938 in 1890, or an increase of 200,840. Of this total, 786,581 were English-speaking, and 395,189 French-speaking Canadians. During the inter-censal period, 1890-1900, the English-speaking Canadians increased by 108,139, and the French by 92,701, or relatively 16 and 30 per cent. If it be considered that in 1891, of the English-speaking population in Canada, that in Ontario was almost 2 to 1 of the other Provinces, it would appear that of the 108,139 emigrants to the United States, almost 72,000 went from Ontario, assuming the emigration to have in the same proportion from the different Provinces.

Thus, allowing for migration to Manitoba and the North-West, 96,160, emigration to British Columbia and Yukon, 25,000, and emigration to United States, 72,000, we have found not only the 142,770 of calculated increase based upon the Ontario census accounted for, but a notable number more representing an increase of some 15,000, which would have been the natural increase from this population had they remained in Ontario.

Another movement of great importance in its bearing upon the various interests of the Province is the movement of population within the Province.

*Foot note.* Remembering what has been said of migration to Manitoba, it is interesting to note the variation in the population of Manitoba during the inter-censal period.

*Population of Manitoba in 1891 and 1901.*

	Total.	Rural.	Urban.
Census 1891 .....	152,506	111,498	41,008
Census 1901 .....	254,947	184,714	70,233
Variation .....	Increase, 102,441	Increase, 73,216	Increase, 29,225

*Urban and Rural Population in Ontario in 1891-1901.*

	Total.	Rural.	Urban.
Census 1891 .....	2,114,321	1,295,323	818,998
Census 1901 .....	2,182,942	1,247,190	935,752
Variation in 1901 .....	Increase, 68,621	Decrease, 48,133	Increase, 116,754

From this table it is seen that if the natural increase of one per cent. can be applied to the urban population of 1891, there still remains 37,099 of an increase, made up either of migrants from rural districts or of immigrants. If it be assumed that this number is made up of migrants from the former, then we find, taking the one per cent. of natural increase and applying it to the rural population in 1891, that we obtain 129,532, and subtracting 37,099 we get 92,433, of which 48,133 is shown to have been lost to Ontario. The urban population has therefore increased from 38.7 per cent. in 1891 to 42.8 per cent. in 1901 of the total in the Province for each period.

The following list gives counties showing increases and decreases respectively :

	Counties showing an increase.			Counties showing a decrease.	
	1891	1901		1891	1901
Algoma .....	41,856	44,516	Bruce .....	64,703	59,020
Brant .....	36,445	38,140	Dufferin .....	22,244	21,086
Carleton .....	77,630	96,904	Frontenac .....	47,009	44,534
Elgin .....	43,377	43,586	Grey .....	71,214	69,590
Essex .....	55,545	58,516	Haldimand .....	23,440	21,233
Hastings .....	59,084	59,291	Halton .....	21,982	19,545
Lambton .....	54,925	56,642	Huron .....	66,781	61,820
Leeds and Grenville .....	57,569	58,996	Kent .....	58,814	57,422
Lincoln .....	30,079	30,552	Lanark .....	37,725	37,232
Muskoka .....	18,873	20,971	Lennox and Addington .....	24,750	23,346
Nipissing .....	14,020	26,415	Middlesex .....	101,972	92,702
Perry Sound .....	18,037	24,936	Norfolk .....	30,993	29,147
Peterboro' .....	32,724	36,066	Northumberland & Durham .....	70,462	62,049
Prescott and Russell .....	42,462	47,37	Ontario .....	45,355	40,408
Renfrew .....	44,838	52,712	Oxford .....	49,849	48,404
Thunder Bay .....	2,698	12,546	Peel .....	24,871	21,475
Waterloo .....	50,458	52,594	Perth .....	53,716	49,871
Welland .....	30,631	31,598	Prince Edward .....	18,889	17,864
Wentworth .....	78,849	79,452	Simcoe .....	82,827	82,315
York .....	251,907	272,663	Stormont, Dundas & Glen .....	69,735	68,930
			Victoria .....	32,991	31,952
			Wellington .....	59,436	55,646

It is further to be noted that the urban population, which includes the towns and villages, has not increased generally, but in a few counties the natural increase has been maintained, or even exceeded. The following are the counties with urban increases exceeding 1,000 of an increase :—

*Table of Counties showing an increase in population.*

	1891.	1901.
Algoma .....	9,395	21,874
Brant .....	15,847	19,848
Elgin .....	13,546	14,593
Essex .....	13,469	16,033
Grey .....	7,497	8,776
" .....	2,029	3,706
Hastings .....	3,338	4,695
Middlesex .....	7,988	9,474
" .....	2,171	4,543

*Table of Counties showing an increase in Population.—Con.*

	1891.	1901.
Muskoka and Parry Sound.....	3,239	6,242
Nipissing.....	3,286	7,375
Ontario.....	3,319	4,392
Peterborough.....	9,717	11,239
Prescott.....	3,044	6,850
Renfrew.....	4,716	6,429
“.....	6,347	7,873
“.....	3,138	4,993
Russell.....	10,798	12,972
Simcoe.....	11,435	14,344
Waterloo.....	13,235	14,666
“.....	11,447	13,503
Welland.....	18,785	26,149
York, East.....	22,206	38,583
“ West.....		

In view of the facts set forth by the census, showing a general tendency to decline in the rural and smaller urban centres of the Province, it will be of interest to illustrate by comparative figures the same tendency in neighboring old settled States of the Union.

*Population in various States of the Union in 1890-1900.*

	Total population.			Total urban.			Rural—increase or decrease.
	1890	1900	Increase.	1890	1900	Increase.	
Maine.....	661,086	694,466	33,380	130,306	164,639	34,333	dec. 953
New Hampshire.....	376,530	411,588	35,058	103,058	158,920	55,862	“ 20,804
Massachusetts.....	2,238,907	2,805,346	566,439	1,564,931	2,132,623	567,692	“ 1,282
Rhode Island.....	345,306	425,556	80,250	376,479	483,065	106,586	“ 26,336
New York.....	6,003,174	7,268,894	1,265,720	3,599,877	4,980,062	1,380,185	“ 174,465
New Jersey.....	1,444,933	1,883,669	438,736	780,912	1,153,100	372,188	inc. 66,548
Pennsylvania.....	5,258,113	6,302,115	1,044,002	2,152,051	2,865,937	713,886	“ 330,116
Total.....	17,406,969	21,046,695		9,003,056	12,824,709		

*Total Population in North Central States in 1890-1900.*

	Total population.			Total urban.			Rural Increase or Decrease.
	1890	1900	Increase.	1890	1900	Increase.	
Ohio.....	3,672,329	4,157,545	485,216	1,159,342	1,599,840	440,498	I. 44,718
Indiana.....	2,192,404	2,516,462	324,058	400,566	607,834	207,268	“ 116,790
Illinois.....	3,826,352	4,821,550	995,198	1,485,955	2,271,940	785,985	“ 209,213
Michigan.....	2,093,890	2,420,982	327,092	546,095	747,334	201,239	“ 126,853
Wisconsin.....	1,693,330	2,069,042	376,712	424,546	634,437	209,891	“ 166,821
Minnesota.....	1,310,283	1,751,394	441,111	369,315	470,046	110,731	“ 330,380
Iowa.....	1,912,297	2,236,853	319,556	269,230	374,725	105,495	“ 214,061
Missouri.....	2,679,185	3,106,665	427,480	703,743	955,563	251,820	“ 175,660
North Dakota.....	190,983	319,146	128,163	.....	9,589	.....	.....
South Dakota.....	348,600	401,570	52,970	10,177	10,266	89	“ 52,881
Nebraska.....	1,062,656	1,065,300	3,644	259,495	168,725	dec. 90,770	.....
Kansas.....	1,423,108	1,470,495	42,387	165,879	205,207	39,328	“ 3,059
Total.....	22,410,417	26,333,004	3,922,587	5,794,343	8,055,506	2,261,163	.....

Making allowance for notable differences in the practice in different States, with regard to the counting of suburban populations, it is plain that in probably every State the same process by which the rural population is depleted has been going on in the North Atlantic group, while in the North Central the same tendency is distinctly noticeable. That the cities have been gaining enormously in some instances, receiving in part doubtless from the rural districts, and



very notably from foreign immigration is apparent. That the latter is a large factor in urban increase is shown by the fact that during 1890-1900 the immigration into the United States was 29.4 per cent. of the total increase of population for the period, although much less than in the previous decade when it was 42.1 per cent. What enormous proportions of urban populations are to be found in the eastern States may be seen from the following table :

*Table showing percentage of Urban increase between 1890-1900.*

	1890.	1900.
Maine.....	51.7	58.6
New Hampshire.....	19.7	23.7
Vermont.....	27.4	11.2
Massachusetts.....	69.0	76.0
Rhode Island.....	78.9	81.2
Connecticut.....	50.4	53.2
New York.....	60.0	68.5
New Jersey.....	54.0	61.2
Pennsylvania.....	40.9	45.0

With this large urban population it is of interest to note that while this increase is from 45.3 to 50.9 per cent. of the total population, that in Ontario was from 38.7 to 42.8 of the total population.

The distribution of increase in the urban population of Ontario is marked by other differences, which may be illustrated by the following table of the incorporated municipalities into cities, towns and villages.

*Table of population by class of municipality in Ontario, 1891-1901.*

	Cities.	Towns.	Villages.	Townships.	Total.
1891.....	410,610	280,214	118,116	1,312,800	2,121,770
1901.....	475,222	320,033	132,214	1,255,463	2,182,942

*Effect of a Stationary Population on the Death-rate.*—Reference has been made in the preceding remarks on the population to the almost stationary population in Ontario during the last inter-censal period, and it is now proper to indicate some of the effects of such a condition upon other factors, such as the marriage-rate and death-rate, affecting the social and economic conditions of the Province.

The following table shows the distribution per million population of the persons living in the three countries of Great Britain, the United States and Canada in 1890 :

*Table showing Distribution of Population by Age Periods in 1890.*

All ages.	England.		United States.		Ontario.	
	Reduced to rate per 1,000,000.	Per cent.	Population in 1890, 62,622,190.	Per cent.	Population in 1891, 2,114,321.	Per cent.
0—4.....	128,679	12.8	7,631,693	12.19	239,847	11.34
5—9.....	119,006	11.9	7,573,998	12.09	246,610	11.65
10—14.....	109,571	10.00	7,033,509	11.23	243,277	11.50
15—19.....	100,007	9.00	6,557,563	10.47	232,073	10.97
20—24.....	90,006	14.80	6,196,676	9.90	219,983	10.40
25—34.....	148,630	11.40	9,806,407	15.66	325,520	15.39
35—44.....	114,039	8.4	7,051,679	11.26	226,064	10.69
45—54.....	84,950	5.8	5,057,802	8.07	164,932	7.80
55 and over.....	104,598	10.4	5,709,823	9.13	216,052	10.83

The populations for each age period show that at different age periods the population varied notably in some periods in the different countries ; those of the United States and Canada travelling together fairly closely, but being notably different in one or two age periods, while

for the first period up to 25 years, the two countries show a difference respectively of almost 3 and 4 per cent. less than England. This difference depends upon one or both of two facts, viz., (a) a larger annual birth-rate in England; or (b) an emigration from England of persons over 25 years of age. Both doubtless were a factor in producing the result; and it might be said that the larger percentage of population over 25 years in the United States and Canada is favorable to the two latter countries, since it is the latter period which is the more productive so far as wage earning goes. But this seeming advantage is deceptive from the fact that it is in the latter period that the mortality is greater, and moreover the greater young population will have become by 1900 to a considerable degree wage earners. It is apparent therefore that population increase is the essential condition of national prosperity, other things being equal. On the other hand it is apparent that a moderately low birth-rate with a low death-rate in children may be compatible with a fair increase of population, presuming of course that the adult population does not emigrate. It must be evident, however, that with a low birth-rate and an emigration of those who with adult years become wage-earners, a condition of affairs is created affecting most seriously national prosperity, since every census year finds the original wage-earners lessening both in physical capacity and in numbers.

In the table of populations for the two census periods 1891 and 1901, already referred to, those counties wherein the population has either declined or remained stationary may be seen. In the table of deaths in 1891 and 1900, page 19, the deaths by ages are compared. From these the influence of a relatively increasing death-rate owing to a stationary or decreasing birth-rate may be seen, although but imperfectly, since there has been a birth-rate exceeding the death-rate of some 5 to 7 in the 1,000, which means that a very notable removal of persons of adult ages has taken place. A few examples may be given, which are illustrative of the law which operates throughout:

*Deaths in several Counties in the Age-Periods over 25 Years.*

	Bruce.	Dufferin.	Elgin.	Huron.
1891.....	331	132	272	364
1901.....	454	143	331	441

It will be seen that in these four counties, selected indifferently, there has been an increase in deaths of persons over 25 years of almost 25 per cent., although the total populations have decreased.

The bearing of this fact upon population will be at once seen, when the relationship between the total deaths under and over 25 years is seen. Taking this as set forth in the English census as 547,749 deaths under 25 years in every 1,000,000 deaths, it also means that if in England in the decennium 1881-90, there were 5,244,771 deaths in an average population of 27,488,482, there would have been in Ontario at the same rate 1-13 of this number; or in the second period of life, that over 25 years, 403,443 or 45 per cent. If 12.5 be taken as the average yearly increase of deaths for the ten years in the periods above as seen in the 25 per cent. increase in 1900 as compared with 1891, it would mean that 22,693 persons died, which had not been recruited from the earlier period of life. This figure has been taken as illustrative, but as a matter of fact the total deaths registered in this period in Ontario were 249,545, so that the actual loss by death at a 12.5 per cent. rate of increase was 31,000, not recruited from younger years. From the economic standpoint therefore the matter of retaining the adult population or increasing it by immigration becomes one of extreme importance.

The following extract by Sir Robert Giffen, the President of the Section on Economic Science and Statistics of the British Association, from the presidential address, on the "Import

ance of General Statistical Ideas," will be found of much interest in its bearing on this subject :

"Great as the increase of population is . . . there are indications that the rate of growth in the most recent census periods is less in many quarters than it formerly was, while there has been a corresponding decrease in the birth-rate ; and to some extent, though not to the same extent, in the rate of the excess of births over deaths which is the critical rate of course in a question of the increase of population.

The following table gives the population in the United States and increase in each census period of the nineteenth century.

Year.	Population.	Increase since previous census.	
		Amount.	Per cent.
	Millions.	Millions.	
1800 .....	5.3	.....	...
1810 .....	7.2	1.9	36
1820 .....	9.6	2.4	33
1830 .....	12.9	3.3	34
1840 .....	17.1	4.2	33
1850 .....	23.2	6.1	36
1860 .....	31.4	8.2	36
1870 .....	38.5	7.1	23
1880 .....	50.1	11.6	30
1890 .....	62.6	12.5	25
1900 .....	*75.7	13.1	21

\*This does not include the population of Indian reservations.

Referring to the table, Sir R. Giffen noting the great drop in the rate between 1860-70, while saying that while the Civil War will account for some of the great drop in the rate of increase further states, "but the effects could not have continued to the present time, and a more general explanation is suggested." He goes over such matters as the annexation of territory and finds that that made but little difference before 1860 ; then suggests a falling off in immigration and shows by the following table that such had not occurred.

Proportion of immigration to total population increase in the United States.

	Per cent.		Per cent.
1820-30 .....	4.7	1860-70 .....	35.0
1830-40 .....	14.2	1870-80 .....	24.2
1840-50 .....	27.9	1880-90 .....	42.1
1850-60 .....	31.5	1890 1900 .....	29.4

By a further table Sir R. Giffen shows that the same decline in the rate of increase in Australia, deducting immigration, has gone on in the last inter-censal period.

Thus the rate of increase per cent. of population in Australia, deducting immigration, in the undermentioned periods is :—

	Per cent.		Per cent.
851-1860 .....	48.5	1880-1890 .....	24.5
860-1870 .....	30 0	1890-1899 .....	16.0
870-1880 .....	25.0		

Which is especially interesting when supplemented by the the table of rate of increase by years since 1890.

Rate per cent. of increase in Australia :—

	Per cent.		Per cent.
391 .....	3.34	1896 .....	1.84
392 .....	2.10	1897 .....	1.86
393 .....	1.96	1898 .....	1.40
394 .....	1.95	1899 .....	1.44
395 .....	1.88		



These facts are discussed and then compared with the steady, but slightly declining, rate of increase in England in spite of all the influences which have been at work during the century, such as immigration.

*Population in England at the end of each Census since 1800 with Percentage of Increase.*

	Population in millions.	Increase per cent.
1800 .....	8.9	....
1810 .....	10.2	14.0
1820 .....	12.0	18.0
1830 .....	13.9	15.8
1840 .....	15.9	14.5
1850 .....	17.9	12.9
1860 .....	20.1	11.9
1870 .....	22.7	13.2
1880 .....	26.0	14.4
1890 .....	29.0	11.6
1900 .....	32.3	12.2

It will thus be seen, while England has been a country supplying to America and to the colonies a large proportion of their increases, she shows by comparison either with Australia or the United States an equal increase, while in the United States, as seen in the following table, the census figures show a steady decline in the rate of increase, if the emigrants in each year are deducted.

*Approximate rate of excess of Births over Deaths in the United States, calculated from a comparison of one-tenth the increase of population between the census periods, deducting immigrants, with the mean of the numbers of the population at the two census dates.*

Year.	Population.	Mean of population between two censuses.	One-tenth of increase since previous census, less immigrants.	Calculated excess of Births over Deaths per 1,000 proportion of Col. 3 to Col. 2.
	1 (Millions.)	2 (Millions.)	3 (Thousands.)	
1800 .....	5.3	.....	.....	.....
1810 .....	7.2	6.2	.....	.....
1820 .....	9.6	8.4	.....	.....
1830 .....	12.9	11.2	308	28
1840 .....	17.1	15.0	360	24
1850 .....	23.2	20.1	441	22
1860 .....	31.4	27.3	565	21
1870 .....	38.5	35.0	462	13
1880 .....	50.2	44.4	878	20
1890 .....	62.6	56.4	722	13
1900 .....	75.7	69.2	923	13

Commenting on these several tables, Sir R. Giffen says :

1. "The rate of growth of population of the communities may still be very considerable even if it has been no higher than in the last few years. . . . The increase, it must be remembered, goes on at a compound rate, and in a few decades an enormous change is apparent."

2. "Some of the rates of growth of population, from which there has been a falling off of late years, were obviously quite abnormal."

He further remarks :

"The population to which immigrants are largely added in a few years, owing to the composition of the population, has its birth-rate momentarily increased and its death-rate diminished, the birth-rate because there are more people relatively at the child-producing ages, and the death-rate because the whole population is younger than in older countries." A third comment made is "that an explanation of the apparent decline in the birth-rate, and of the rate of the excess of births over deaths, may also be the greater vitality of the populations concerned, so that the composition of the population is altered by an increase of the relative number of people not in the prime of life, so altering the proportion of the people at the child-producing ages to the total."

As regards the question of reproduction, Sir R. Giffen states that many people have rushed in to discussing whether the reproductive power of the populations in question is quite as great as it was fifty or sixty years ago. Pointing out the lack of certain kinds of statistical tables, he says : "The answer to such questions is not to be rushed," and statistics must be improved in order that tables adequate for purposes of such a table be obtained.

Under the fifth head he points out : "To a certain extent the cause of a decline in reproductive energy may be part and parcel of the impaired condition of the populations, which leads in turn to an increase of the age at marriage, and an increase in celibacy, generally through the indisposition of individual members of the community to run any risk of sinking in the scale of living which they may run by premature marriage." These causes, however, may operate to a great extent upon the birth-rate itself without diminishing the growth of population, because the children, though born in smaller proportion, are better cared for, and the rate of excess of births over deaths consequently remains considerable, although the birth-rate itself is low."

Then follows the more important remark : "The serious part would be a decline of the rate of the excess of births over deaths through the death-rate remaining comparatively high while the birth-rate falls."

### BIRTHS.

The total births recorded in Ontario in 1900 were 46,127 as compared with 44,705 in 1899, showing an increase of 1,422 and giving a rate of 19.8 on the estimated population of 1900, or of 21.1 on the actual population of the census of March 31, 1901. This rate compares favorably with that of 1891, when with a population, but 68,621 less [the total births were 44,754, or 21.1 per 1,000. It must be remembered, however, that the returns in 1900 were more complete than in the previous year. The distribution of the births in urban and rural districts in view of the decline in rural population will naturally show differences.

That the birth rate in rural rather than urban districts has shown an increase owing to more perfect registration is seen in the fact that whereas in 1891, the then 12 cities with a population of 398,158 had 9,323 births., the 14 cities in 1900 with a population of 475,222 had only 9,854 births or a decline per 1,000 to 20.7 as compared with 23.4 in 1891.

As compared with 1899, the total births increased in both cities and towns.

	1899	1900
Births in Cities .....	8,869	9,854
Births in Towns .....	3,056	3,116

	Ratio per 1,000		Ratio per 1,000	
As per census population 1901 ....	Cities 1899	20.7	Cities 1900	23.4
	Towns 1899	21.4	Towns 1900	21.8

The distribution of births by counties will be seen to be instructive as illustrating the increases in births which have been most marked.

Births in selected Counties.	1891	1900
Algoma .....	1,028	840
Rainy River (in 1891 included in Algoma).....		329
Thunder Bay " " " .....		262
Nipissing " " " .....		961
		2,492
Muskoka .....	1,024	537
Parry Sound (included in Muskoka in 1891).....		684
		1,221

With the exceptions above and in the following every county shows a decrease.

	1891	1900		1891	1900
Welland .....	635	647	Carleton .....	1,453	2,054
Peterborough .....	743	864	Dufferin .....	445	453
Lincoln .....	523	564	Hastings .....	1,123	1,203
Simcoe .....	1,667	1,759	Kent .....	1,232	1,321
Prescott and Russell .....	1,254	1,591	Lanark .....	652	742
Renfrew .....	1,132	1,392	Leeds and Grenville .....	834	1,012
Stormont, Dundas & Glengarry .....	1,099	1,302	Middlesex .....	1,672	1,673

While the following counties in Ontario show a decrease in births.

	1891	1900		1891	1900
Brant .....	734	697	Norfolk .....	624	608
Bruce .....	1,400	1,321	Northumberland and Durham .....	1,280	1,146
Elgin .....	784	766	Ontario .....	912	858
Essex .....	1,606	1,490	Oxford .....	1,135	998
Frontenac .....	1,069	918	Peel .....	459	388
Grey .....	1,475	1,407	Perth .....	1,039	991
Haldimand .....	406	375	Prince Edward .....	319	290
Halton .....	451	408	Victoria .....	743	692
Haliburton .....	187	177	Waterloo .....	1,334	1,104
Huron .....	1,324	1,159	Wellington .....	1,202	1,113
Lambton .....	1,269	1,167	Wentworth .....	1,802	1,506
Lennox and Addington .....	433	420	York .....	6,250	5,940

That such decrease has actually occurred is further illustrated by the school population in Ontario.

Table giving School Population in Ontario in different years.

School Age 5-21 Years.

1887 .....	611,212
1892 .....	595,238
1897 .....	590,055
1899 .....	586,350
1900 .....	580,105

The fact of an actual decrease in school population may therefore be taken for granted and is in keeping with the fact of a migration of people from rural to urban districts, as can be seen by a comparison of counties, and by a still more notable emigration from the Province, as already seen.

It thus appears that 16 counties shew an increase, while 24 shew a decrease in births for the two periods.

What is further remarkable is that in the counties of Brant, Elgin, Essex, Middlesex, Waterloo, Wentworth and York, in which 7 of the 14 cities—and all of the larger cities but on



are situated—the births have actually decreased, while the total increases in population for these counties were :—

Brant—increase in 1901 .....	1,695
Elgin .....	209
Essex .....	2,971
Waterloo .....	2,136
Wentworth .....	603
York .....	20,756
	<hr/> 28,370

Or with a gain of 28,370 there was a decline of births of 1,007.

The following table gives the births in the cities of Ontario in 1891 and 1900 :—

*Births in Ontario Cities in 1891 and 1900.*

City.	Population.		Births.	
	1891.	1901.	1891.	1900.
Toronto .....	181,220	208,040	4,739	4,534
Hamilton .....	48,980	52,634	1,176	1,003
*Ottawa .....	44,154	59,928	802	1,334
London .....	31,977	37,981	605	703
Kingston .....	19,264	17,961	453	381
Brantford .....	12,753	16,619	331	379
St. Thomas .....	10,370	11,485	228	189
Guelph .....	10,539	11,496	235	237
St. Catharines .....	9,170	9,946	131	161
Belleville .....	9,914	9,117	157	155
Stratford .....	9,501	9,959	197	180
Windsor .....	10,322	12,153	269	260
Chatham .....	9,052	9,068	151	154
Woodstock .....	8,612	8,833	246	184

\* Several suburbs incorporated.

Comment on these figures is almost unnecessary, for, excepting Ottawa, whose population has been greatly increased by the incorporation of suburbs, there is an actual loss of births in every city but London, Brantford, St. Catharines and Guelph, and a relative loss per 1,000 in every case, when population is considered. (See table, page 34.)

Thus Toronto with an increase of 15 per cent. should have had 5,449 births instead of a decline to 4,534, or a loss of 20 per cent. ; Brantford with an increase in population of 30 per cent. should have had 431 births instead of 379, to maintain the same rate per 1,000 ; while Windsor with a population increase of 12 per cent. shows a decline in births of 20 per cent. over the rate in 1891. The causes in places where population is stationary or declining for a decreased birth-rate are natural, but with populations showing the advances shewn in the examples taken there is no alternative but to conclude that the rate of 1891 of 23.4 has decreased by some 20 per cent. for the various cities in Ontario.

While the comparison of births with 1891 has thus shewn everywhere a decline, it is some slight consolation to find that 1900 has an increase over 1899 in the majority of counties. Thus while 13 counties show a decrease of 394 in all, 31 show an increase of 1,816. Those showing the decrease are Haliburton, 4 ; Huron, 11 ; Kent, 32 ; Lambton, 17 ; Middlesex, 24 ; Norfolk, 3 ; Northumberland and Durham, 41 ; Perth, 2 ; Peterborough, 19 ; Prescott and Russell, 69 ; Prince Edward, 28.

Having illustrated the low birth-rate with the stationary population which has existed in Ontario during the past decade, it is of interest to compare these rates with Massachusetts, a State which most closely approximates England in its urban and industrial conditions. In the quinquennium, 1890-1895, the population increased from 2,238,943 to 2,500,183 on an area of

8,315 square miles, as compared with 229,000 in Ontario, or an increase in five years of 261,240. In the census year 1900 this population had increased to 2,805,346, or an increase of 305,163. To illustrate to some extent the source of this increase it may be stated that the births in 1895 were 67,545, or a rate of 27.02 per 1,000, of which the total births of children whose parents were both American were 21,851 and of those whose parents were foreign born were 31,628, and 13,847 of mixed parentage.

It is of importance to know that of this population there were of Canadians in Massachusetts :

*Canadians in Massachusetts*

1895 . . . . .	243,732	{ 133,969 English Canadians.
		{ 103,763 French Canadians.
1900 . . . . .	293,169	{ 158,753 English Canadians.
		{ 134,416 French Canadians.

Or there were annually during the decade 1890-1900 about 8,500 immigrants into Massachusetts from Canada. As like emigrants generally, these would be young men and women attracted especially to the factories, there would be as a natural result the introduction of a large population at the age of child-bearing, and as a consequence we find that the rate of marriages per 1,000 was high during the period.

The various population influences affecting birth-rates have been briefly referred to in the preceding pages ; but it will be of value to those economists or moralists who are interested in the study of the birth-rate, to give through the kindness of the Actuarial Department of the Canada Life, one of the largest Insurance Companies in Canada, the statistical results of an examination of the particulars relating to 1,000 accepted applicants for insurance in 1862 compared with those relating to 1,000 insured persons in 1900.

Thus it appears that—

Of 1,000 insured in 1862, the parents had 7,781 children, 4,681 males, 3,100 females.

Of 1,000 insured in 1900, the parents had 6,714 children, 4,015 males, 2,699 females.

Or in the 1st period there were 7.8 children per family.

“ the 2nd period there were 6.7 children per family.

Or a decrease of 14 per cent.

The figures in themselves are suggestive since they are comparisons between persons married in the first quarter of the 19th century as compared with persons married some thirty years later. The decline of 14 per cent. in the birth-rate as thus indicated is however being accelerated as the further statistics sufficiently show. Thus:—

Of 500 insured persons of an average age of 36.5 years in 1862, of whom 396 were married there had been born 1,275 children.

Of 500 insured persons of an average age of 36.9 in 1900, of whom 265 were married, there had been born 633 children.

Or of the insured in 1st period there was an average of 3.2 children to each person insured.

“ the insured in 2nd period there was an average of 2.4 children to each insured person.

Or a decrease of 25 per cent.

It is apparent therefore that with a decrease in marriages in persons of the same age of 50 per cent. and a decrease of 25 per cent. in the number of children of persons married within the latter period one result, viz., a great lowering in the increase of population, is inevitable.

The following table illustrates the Ontario birth rate by comparison with other countries and States :

	1899		1899
England and Wales . . . . .	29.3	German Empire . . . . .	35.9
Scotland . . . . .	30.5	Massachusetts . . . . .	25.8
Ireland . . . . .	22.9	Michigan (1898) . . . . .	18.0
Denmark . . . . .	30.1	New Hampshire (1897) . . . . .	21.3
Norway . . . . .	30.9	Rhode Island . . . . .	25.9
Sweden . . . . .	26.2	Ontario (1900) . . . . .	21.1
Switzerland . . . . .	28.9		

## Marriages.

The total marriages reported for the year were 17,107, giving a rate according to the estimated population of 7.3 per 1,000, or by the census of 1901 of 7.8. There was thus 693 of an increase over 1899, or 0.5 per 1,000. As a delicate index of commercial prosperity, the marriage-rate increasing for several past years may be considered very satisfactory, thus :

1896 .....	14,904	1899 .....	16,514
1897 .....	15,293	1900 .....	17,107
1898 .....	15,375		

Compared with other countries this rate may be considered most satisfactory, as will be seen in the following comparative table :

England and Wales .....	1899	German Empire .....	1899
Scotland .....	8.2	Massachusetts .....	8.5
Ireland .....	7.7	Michigan (1898) .....	8.6
Denmark .....	4.9	New Hampshire .....	8.4
Norway .....	7.5	Rhode Island .....	9.5
Sweden .....	7.1	Ontario (1900) .....	7.9
Switzerland .....	6.2		7.3
	7.8		

As has, however, been remarked in previous Reports, the total is in excess of what represents the actual marriage rate of the Province, since at several border towns, especially Windsor and Sandwich, there are many more marriages than actually take place there amongst residents of the Province. On the basis of the average rate for the Province there would have been 446 marriages in Essex in 1900, whereas 1,305 actually took place, of which there were 749 in Windsor alone. This excess means that a large number of persons from the United States for various more or less obvious reasons, cross over from Detroit to Windsor, and, contrary to the spirit of the Ontario Marriage Act are married in this Province. Applying this statement to the various border points in the Province with excessive marriage rates, and we see how they serve to abnormally increase the marriage rate.

Thus the marriages in the following places in 1900 were :—

Sarnia .....	120 or 14.6 per 1,000	Sandwich .....	244 or 160.8 per 1,000
Windsor .....	749 or 61.6 per 1,000	Niagara Falls .....	77 or 18.1 per 1,000

Examining marriages by counties apart from Essex, Lambton and Welland, and we find that only in Bruce, Halton, Huron, Ontario, Peel, has the rate fallen below 6.0 per 1,000. This rate is based upon the estimated increase of population ; but if the census population of 1901 be taken, the rate would be : Bruce 6.7, Halton 6.7, Huron 6.8, Ontario 6.7, Peel 6.6.

Algoma, according to the estimated population in the census, gives a marriage rate of 6.03, thus correcting the error based upon a population calculated upon the average increase of 1 per cent. That of Muskoka was 7.4, Nipissing 8.55, Parry Sound 6.1, Rainy River 6.7, and Thunder Bay 7.1, Carleton 7.8, Middlesex, 7.4, Wentworth 7.2, York 7.8, Brant 7.2.

It will be seen by comparing the rates of Ontario counties, as corrected by the census, that these rates compare very favorably with the rates in individual counties in other countries. Thus the following English and Irish counties and cities had a marriage rate in 1898 and 1899 of : London 9.2, Kent 7.9, Devonshire 8.0, Cornwall 7.3, Bucks 7.0, Oxford 6.8.

Rutlandshire .....	6.1	Westmoreland .....	6.8	Derbyshire .....	8.2
Cheshire .....	7.6	Cumberland .....	7.1	Lincolnshire .....	9.5
Dorsetshire .....	6.9	Waterford .....	3.7	Cork .....	8.4
Londonderry .....	5.2	Longford .....	3.7	Down .....	6.0

The increase of marriages in the cities of the Province with the 105 in Woodstock, (not included in 1899) is only 82, or together an urban population of 614,511 has showed an increase of 124 marriages, while the population, mostly rural, of 1,568,431, shows an increase of 469. This is perhaps one of the best evidences that can be given of an increasing prosperity and business



activity in the rural districts. The decrease of marriages in cities whose population is increasing as that in Toronto of 53 and in Ottawa of 14, in times of prosperity may in these cases be merely accidental; but in view of the fact that in the table supplied by the Canada Life Association, already referred to, of 500 insured people in 1900, with an average age of 36.9, there were but 265 of these married as compared with 396 in the same number of applicants of an age 36.5 in 1862, it is not difficult to see, with 50 per cent. more persons married at the same age period in 1862 as compared with 1900, that with such a general condition prevailing, this small marriage rate will likely remain stationary, or decline rather than advance.

*Marriages by Months.*—An examination of table 7 shows that the tendency in recent years toward an increase of marriages in June rather than in December has been maintained. Thus there were in June 1,853 marriages, in December 1,813, and in October 1,792; while for the three past years May has had recorded the lowest number, being in 1900, 1,040.

How rapidly industrial influences may operate to change the characteristics of a population may be seen from these figures and yet more from the fact that of the 23,102 couples married in Massachusetts in 1895, 10,292 were native born and 7,690 foreign born, with nearly the same proportion in 1899. It will be noticed, however, that the marriage rate in both years is very high, being respectively 9.2 and 8.6. With such a marriage rate the birth rate might be considered low were it not that the divorcees during the 1890-99 period were 1 to every 223 marriages, hence notably increasing the marriage rate.

## DEATHS.

The total deaths recorded in Ontario in 1901 were 29,494, showing an increase of 887 over the previous year. With the population as estimated, this gives a death rate of 12.6 per 1,000, but as calculated by the census population of 1901 a rate of 13.5. The increase over 1899 is slight and the rate as a whole must be considered low, remembering that the returns are practically complete. As will be shown, however, by the following table, it is quite apparent that the total deaths returned are many more than in 1891, and that the increase during the period has been fairly constant.

### DEATHS IN ONTARIO.

1891 .....	21,558	10.2
1892 .....	23,120	10.7
1893 .....	22,903	10.6
1894 .....	22,538	10.3
1895 .....	22,461	10.1
1896 .....	24,857	10.9
1897 .....	27,633	12.2
1898 .....	26,370	11.5
1899 .....	28,607	12.4
1900 .....	29,494	12.6

The rate as given in the census year 1891 was 10.2, and as seen in the table the rate has since been kept lower than it ought to be by the estimated increase of one per cent. of population in each successive year being taken for a divisor. That the year 1896 shows a remarkable increase has been referred to in the Report for that year, it having been due directly to the amended Act, making more stringent provisions against burials without a burial permit, going into force that year. The full effect of this Act is seen in 1897, when the deaths had risen from 1895 by 5,172. Since then the rate has, excepting 1898, an unusually healthy year, continually tended upward. That an increase should have occurred to the extent of nearly 8,000 in ten years is of course primarily due to the improved registration referred to, but that another influence has been steadily operative is found by a comparative study of the following table by ages for 1891 and 1900:

## Deaths in Ontario in 1891 and 1900 by Age Periods.

		Total.	Up to and including 4.	5-9	10-14.	15-19.	20-24.	25-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not given.
Algoma .....	1891	421	111	36	13	15	24	24	38	22	16	18	13	12	79
	1900	1,255	561	51	32	41	72	67	117	89	50	62	61	33	19
Brant .....	1891	343	79	31	11	12	14	15	27	24	41	44	44	35	6
	1900	435	122	8	3	17	15	14	24	40	30	39	74	47	2
Bruce .....	1891	538	110	36	21	20	23	23	35	37	43	42	61	47	40
	1900	708	194	11	12	28	39	27	59	37	48	62	100	77	4
Carleton .....	1891	690	207	65	22	43	20	37	42	33	47	53	45	45	31
	1900	1,745	797	42	28	37	75	62	105	102	100	124	140	131	2
Dufferin .....	1891	240	35	27	16	12	9	11	17	14	12	13	26	28	11
	1900	257	80	5	5	13	11	8	17	14	16	26	36	32	
Elgin .....	1891	408	71	22	8	8	16	22	31	32	24	32	54	49	28
	1900	492	119	11	3	12	16	15	26	36	40	59	93	57	5
Essex .....	1891	667	160	48	23	35	28	27	38	34	21	52	59	56	51
	1900	749	276	22	20	26	20	29	52	48	45	65	83	51	3
Frontenac .....	1891	646	135	45	22	23	20	26	43	38	46	72	83	73	20
	1900	705	203	22	14	26	27	22	47	40	52	75	85	88	4
Grey .....	1891	526	107	34	24	23	20	22	36	20	36	22	67	63	52
	1900	774	188	18	17	35	27	33	42	45	45	95	118	109	2
Haldimand .....	1891	192	39	11	6	5	3	13	11	7	14	19	24	23	17
	1900	251	50	2	2	3	5	6	16	19	21	34	38	55	...
Halton .....	1891	205	37	9	9	7	4	7	15	21	12	20	23	30	11
	1900	272	74	3	4	11	9	7	16	16	21	28	41	41	1
Haliburton .....	1891	51	10	5	2	2	2	2	1	5	1	5	6	6	4
	1900	63	20	4	...	1	4	1	3	6	7	11	4	2	...
Hastings .....	1891	493	110	34	16	13	19	21	28	30	33	51	63	62	13
	1900	747	207	22	15	15	31	27	48	63	39	84	104	88	4
Huron .....	1891	553	103	32	13	15	26	27	36	31	49	56	62	80	23
	1900	726	175	18	12	31	31	22	44	39	47	74	148	85	...
Kent .....	1891	491	119	43	14	19	24	27	30	23	22	54	44	42	30
	1900	748	245	22	13	23	37	30	50	35	50	84	88	68	3
Lambton .....	1891	381	83	27	18	14	18	23	32	22	31	41	31	34	10
	1900	706	178	15	16	27	32	25	50	42	55	84	105	76	1
Lanark .....	1891	249	51	15	7	5	16	14	18	11	13	23	27	45	4
	1900	482	110	16	9	11	33	18	38	21	32	47	82	64	1
Leeds and Grenville .....	1891	433	61	22	10	20	18	13	33	30	31	43	61	81	6
	1900	809	159	17	10	23	53	41	48	47	66	111	110	117	7
Lennox and Addington .....	1891	250	38	15	7	7	11	8	23	16	22	25	40	37	1
	1900	287	58	7	15	13	12	7	16	21	25	28	44	50	1
Lincoln .....	1891	330	52	17	7	12	11	14	20	20	23	29	40	67	18
	1900	461	126	6	10	10	17	13	29	32	35	60	70	52	1
Middlesex .....	1891	909	144	47	26	37	40	36	60	69	82	91	114	113	50
	1900	1,169	273	31	16	31	61	52	81	79	86	110	191	155	3
Muskoka and Parry, Sound ..	1891	305	82	28	13	15	12	13	23	13	18	22	29	15	22
	1900	578	229	30	17	25	29	16	41	22	18	46	62	39	4
Norfolk .....	1891	262	44	15	4	7	9	6	19	17	19	26	50	42	4
	1900	387	90	6	8	8	8	8	24	32	21	58	72	52	...

Deaths in Ontario in 1891 and 1900 by Age Periods.—*Concluded.*

		Total.	Up to and including 4	5-9.	10-14.	15-19.	20-24.	25-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not given.
Northumberland and Dur ..	1891	757	135	47	26	31	28	30	55	34	44	75	115	118	19
	1900	870	186	22	16	29	32	27	63	55	73	81	154	130	2
Oxford .....	1891	485	85	23	8	10	16	25	32	45	38	49	62	54	38
	1900	707	184	18	12	17	26	28	56	49	42	80	116	79	....
Peel .....	1891	192	34	15	9	8	6	8	5	11	13	26	23	12	22
	1900	261	56	6	4	13	15	9	14	24	13	28	48	27	4
Perth .....	1891	351	89	16	11	12	14	16	14	20	18	28	58	47	8
	1900	590	185	10	8	20	23	25	30	22	34	71	83	75	4
Peterboro .....	1891	399	89	29	13	12	16	19	25	22	28	28	41	46	31
	1900	479	123	11	15	16	28	25	38	18	30	58	65	51	1
Prescott and Russell .....	1891	451	158	41	15	16	21	5	31	19	19	22	29	71	4
	1900	747	347	32	19	31	31	23	36	35	87	35	64	55	2
Prince Edward .....	1891	211	29	12	7	9	9	7	13	18	12	23	31	35	6
	1900	249	55	4	2	8	8	6	19	15	16	40	37	38	1
Renfrew .....	1891	355	85	27	11	15	27	19	28	17	24	32	31	27	12
	1900	572	190	13	12	19	17	28	40	36	37	72	58	49	1
Simcoe .....	1891	580	125	42	31	25	19	28	35	37	39	56	70	61	12
	1900	1,021	310	29	29	40	48	44	66	74	89	95	108	85	4
Ontario .....	1891	443	87	32	14	14	18	16	19	25	37	47	54	54	26
	1900	582	141	14	12	29	22	26	38	32	38	58	88	83	1
Stormont, Dundas and Glen- garry.	1891	598	132	43	19	20	32	31	54	31	27	55	55	89	10
	1900	835	209	22	17	44	41	34	55	40	45	92	97	137	2
Victoria .....	1891	328	61	17	10	9	19	21	22	18	14	32	40	43	22
	1900	423	129	15	9	12	15	15	25	24	18	43	62	52	4
Waterloo .....	1891	589	129	58	28	20	23	24	31	32	37	50	74	67	16
	1900	664	206	24	11	16	32	21	40	38	50	53	94	74	5
Welland .....	1891	371	73	24	12	12	13	20	26	19	32	42	47	47	12
	1900	408	90	12	9	13	6	11	33	17	29	40	77	68	2
Wellington .....	1891	424	67	19	13	13	18	18	24	28	30	55	55	70	14
	1900	695	163	12	14	23	26	23	42	53	38	83	107	109	2
Wentworth .....	1891	1,041	215	68	36	25	31	31	72	80	90	114	98	101	80
	1900	1,126	348	28	17	32	39	39	84	69	85	127	148	89	11
York .....	1891	4,009	1,127	363	150	128	179	162	311	245	228	256	265	197	398
	1900	4,459	1,616	141	85	113	178	147	256	301	321	424	470	326	51

A study of the above table of deaths by age periods shows that there was either a notably greater number of deaths in the first year of life in 1900 than in 1891 or that the neglect to register the deaths of infants was much greater in the earlier period, since there were 4,206 deaths under one year in 1891, and 7,163 in 1901. That the neglect to register was a prime factor in this difference may be proved, since the proportion of deaths under one year in the earlier period was but one-fifth of the whole deaths, while in 1900 they form almost one-quarter of the total deaths, while the births in 1891 were nearly as great as in 1900. This is still further proved by the fact that during the other four years of the quinquennium the total deaths are 1,989 only in 1900, as compared with 1,988 in 1891, showing that while the total deaths in 1900 have greatly increased, those from 1 to 5 are really less. That the decrease in the deaths of children is quite remarkable is shown in the comparative figures for the periods 5-15, or the



years when children attend school, as seen in the table by counties from which the totals are taken :

	From 2-4 years.	From 5-9 years.	From 10-14 years.	From 5-14. Total.
Thus in 1891.....	1,988	1,544	722	2,262
" in 1900.....	1,989	803	563	1,366

The most striking difference lies in the period of 5-9 years, and is only explainable on the basis of lives saved from the sanitary control and better known methods for treatment of communicable diseases. The reduction amounts to 52 per cent., and 22 in the 9-14 age period, or together make a decrease of 40 per cent. That this remarkable decrease is in the class of communicable diseases is seen in the fact that the total deaths from zymotic diseases in 1891 was 2,903 and in 1900 but 1,899, in spite of the fact that the total deaths have increased so greatly.

That the period of adolescence is that wherein the increased number of deaths first shows itself is seen in the fact that in the period of 15-19 years the deaths were, in 1891, 740, and in 1900, 941, or 27 per cent. This proportion is yet further increased between 19-24 years, the totals being, in 1891, 876 deaths, and in 1900 being 1,257, or an increase of 43 per cent. The rate of increase is less in the period 25-29, the relative deaths being 911 and 1,083, or an increase of 18 per cent. The rate advances again rapidly between 30-39, the percentage of increase for 1900 being 33 per cent. For the next decennium, 40-49, the increase amounts to 43 per cent., and between 50 and 59, 39.9, or almost 40 per cent. Such advances are more than maintained in the next decade, 60-69, in which the increase is just 60 per cent. in 1900 and even exceeded between 70 and 79 with an increase of 72.7 per cent. Once more the rate rises with a remarkable number of persons, who in 1900 had reached the age of 80 years and over, there having been 3,099 deaths, an increase over the 2,224 in 1891 of 39.3 per cent.

Summarized, these percentage increases are seen in the following table.

*Tables showing Totals and Percentage, Increases and Decreases by Age periods in 1891 and 1900.*

Age periods.	Total for year 1891.	Total for year 1901.	Percentage. + Increase. — Decrease.
5—9 years.....	1,540	803	— 47%
10—14 ".....	722	563	— 22%
15—19 ".....	740	941	+ 27%
20—24 ".....	876	1,257	+ 43%
25—29 ".....	911	1,083	+ 18%
30—39 ".....	1,423	1,908	+ 33%
40—49 ".....	1,270	1,819	+ 43%
50—59 ".....	1,386	1,931	+ 39.9 %
60—69 ".....	1,843	2,949	+ 60%
70—79 ".....	2,214	3,825	+ 72.2 %
80 and over.....	2,224	3,099	+ 39.3 %

These figures illustrate yet more precisely the remarks made in the section dealing with the effects where population is largely stationary ; but one is hardly prepared for such a variation from the normal distribution of deaths, as shown by the figures of the table. Thus while in the period of life up to 25 years the rate of mortality in 1891 was 48.1 per cent. and 51.9 in the later period of life, yet in the death-rate the proportions here varied from 43.6 to 56.4, or

Deaths under 25 years in 1891, 10,387, 48.1 per cent.

" over " " 11,171, 51.9 "

" under " in 1900, 12,880, 43.6 "

" over " " 16,614, 56.4 "

Comparing these with figures already referred to under Population, it is apparent that the Ontario population during the decade presents in these respects the peculiarities necessarily

belonging to the population of an area comparatively long settled, which fact is also illustrated by a table of births found on page 17 of the Annual Report for 1897, after which follows the remark — "That the older the settlement of any county or the earlier the period at which an agricultural district was filled up with population, the less the present relative number of settlers in those periods of life during which children are born, in comparison with the number of population; and if this population be not increased the lower proportionately will be the birth rate and the greater the number of deaths relatively of persons in the later periods of life."

It will be of interest to examine some of the neighboring States in which similar conditions as to settlement have existed during the past century, to determine whether a like result is found. The United States census of 1900 has but partial mortality statistics, but they are given for the North Atlantic Division of States. The total population whose death rate, excluding still births, is calculated is 28,800,000 or 35 per cent. of the total population. The rate is 23 per cent. greater than the rate in 1890, but is believed to be much more complete. Thus the rate in 1890 was 17.3 while in 1900 it is 19.5 per 1,000; while the urban rates were respectively 18.6 and 22.1, and the rural 15.4 and 15.3.

On page eight it is stated that the population of Maine had increased during the decade by 33,380 and showed a rural decrease of 953. In others we find a largely stationary population, with some of the most highly organized State Boards of Health and a highly salubrious climate, showing a total death rate by the census of 17.5 per 1,000 and urban and rural relatively 20.5 and 16.9.

In Michigan, a State with climate and population in many respects like Ontario, except that it showed a small rural increase and much larger urban increase, we find that the mortality rates are 13.9 as a total, and 15.3 and 13.3 respectively for urban and rural populations. The Vermont total of 343,601, which is an increase of 11,169 over 1890, but a decrease in rural population of 4,489, results as might be expected in an increasing death rate amounting to a total of 17.0, and 17.6 and 16.9 per 1,000 respectively for the urban and rural districts. If these States are taken as a gauge it must be concluded that the standard of health in Ontario is of the highest.

But this fact of variation in mortality rates, dependent upon the age-constitution of a population, cannot be better set forth than by the quotation from a study of the vital statistics of England by John Tatham, Esq., M.A., M.D., in a supplement to the 55th Annual Report of the Registrar-General.

"At the census of 1891 the populations of Norfolk and Lancashire were found to be distributed, respectively, as follows, over three groups of ages:

	Per 1,000 Population.	
	In Norfolk.	In Lancashire.
Under 15 years of age .....	353	352
Fifteen and under 45 years .....	410	479
Forty-five and upwards .....	237	169

"If from every 1,000 of the population of Norfolk 68 persons over 45 years of age were removed, and their places filled by an equal number of persons between 15 and 45 years of age, the age distribution of Norfolk, grouped as above, would become practically identical with that of Lancashire. And, since the death-rate at ages between 15 and 45 is considerably less than that at ages over 45, this change of age-distribution would, of itself, and irrespective of sanitary condition, reduce the crude death-rate of Norfolk. The extent of the reduction may be roughly

indicated by assuming a death-rate of 9 per 1,000 among persons at ages between 15 and 45, and a death-rate of 40 per 1,000 among persons at ages over 45 years, these being approximately the average rates in the two age-groups. It may readily be shown that the substitution of 68 younger persons for the 68 older persons would lower the crude death-rate of the county by 2.1 per 1,000 living. This shows conclusively that no fair comparison is possible between the crude death-rates of Norfolk and Lancashire. In areas smaller than counties, for example, in the crowded towns of Lancashire, on the one hand, and in some of the rural parts of Norfolk, on the other, the differences of age-distribution are still greater. It is, therefore, futile to compare the crude death-rates of different districts, unless their populations are known to be alike with respect to age and sex constitution. If, however, it can be ascertained what the mortality in district A would have been had the population in the various age-groups been subject to the death-rates incidental to those age-groups in district B, the mortalities of the two districts will have been reduced to a common basis, and will, therefore, be comparable with each other."

*Deaths by Counties in Ontario.* The following table shows the deaths by counties, corrected from table 1, page 32, in which the rates per 1,000 were based upon the estimated population during the ten years, by applying the county populations supplied by the census of March 1, 1901.

*Death-rate per 1,000 based upon Dominion Census, 1901.*

Algoma .....	9.7	Nipissing .....	16.4
Brant .....	11.4	Norfolk .....	13.3
Bruce .....	11.9	Northumberland and Durham .....	14.0
Carleton .....	18.0	Ontario .....	14.4
Dufferin .....	12.2	Oxford .....	14.6
Elgin .....	11.2	Parry Sound .....	12.4
Essex .....	12.7	Peel .....	12.1
Frontenac .....	15.8	Perth .....	11.8
Grey .....	11.1	Peterborough .....	13.2
Haldimand .....	11.8	Prescott and Russell .....	15.7
Halton .....	13.9	Prince Edward .....	13.9
Haliburton .....	9.6	Rainy River .....	12.7
Hastings .....	12.6	Renfrew .....	10.8
Huron .....	11.7	Simcoe .....	12.4
Kent .....	13.0	Stormont, Dundas and Glengarry .....	12.1
Lambton .....	12.4	Thunder Bay .....	14.3
Lanark .....	12.9	Victoria .....	13.2
Leeds and Grenville .....	13.9	Waterloo .....	10.7
Lennox and Addington .....	12.3	Welland .....	12.9
Lincoln .....	15.1	Wellington .....	10.8
Middlesex .....	12.6	Wentworth .....	14.1
Muskoka .....	12.8	York .....	16.3

For Province, 13.5.

The rate per 1,000 for the counties, as corrected, is 13.5: and it will be seen that there are notable variations from this. Thus Carleton has a death-rate of 18.0; Frontenac, 15.8; Nipissing, 16.4; York, 16.3; Prescott and Russell, 15.7; Lincoln, 15.1; Ontario, 14.4; Oxford, 14.6; Wentworth, 14.1; Thunder Bay, 14.3; Northumberland and Durham, 14.0, and the balance of the counties has a rate under 14.0. The causes of these increases in different counties may be examined with some interest in view of the previous remarks regarding population.

The following table gives populations in those counties in 1891 and 1901.

	1891.	1901.
Carleton .....	77,638	96,904
Nipissing .....	13,020	26,415
York .....	251,907	272,663
Prescott and Russell .....	42,462	47,317
Wentworth .....	78,849	79,452
Thunder Bay .....		12,546
Lincoln .....	30,079	30,552
Frontenac .....	47,009	44,534
Ontario .....	45,355	40,408
Oxford .....	49,849	48,404
Northumberland and Durham .....	70,462	62,049



It thus appears that of the 11 counties whose mortality has exceeded 14 per 1,000 there are two groups, one of 6, with populations positively increased, and one of 5, including Lincoln, exhibiting 473 of an increase, with an actually diminished population.

Those in the first group include Carleton, with the great increase of population in Ottawa, notably in the French district; Nipissing, which has doubled its population, also including a large French population; Prescott and Russell, an old county, with a large French population; Thunder Bay, a newly-settled district, and York and Wentworth, with the two large cities, Toronto and Hamilton. In both cases, however, in these counties the rural population had decreased. The same is true of Carleton; so that we have the complication in each case of an increase due to an old and declining rural population associated with that of the urban increase with an increase in mortality due to deaths under one year of age. The counties of Frontenac, Ontario, Northumberland and Durham are in the row of counties settled as regards their townships on Lake Ontario, at or before the beginning of the century, and show an actual decrease of 15,835. If the natural increase during the ten years in a population of 162,826 were added, it appears that an actual loss of 30,000 took place, and the high death rate is therefore illustrated as depending upon the law shown by high mortality in the later age periods. There are other groups of counties separated only by a small figure, which show this same influence. Halton has a rate of 13.9, with a loss of population of 2,437; Prince Edward a rate of 13.9, with a loss of 1,025; Norfolk a rate of 13.3, with a loss of 1,845; Victoria a rate of 13.2, with a loss of 1,039. Peterborough is the exception from this rule of a loss of population, for which the rate is 13.2. The population increase is 3,342, but it is only apparent since the increase is almost wholly in the town of Peterborough, where the increase is 1,522.

That there are counties, which with a loss of population still show remarkably low death rates speaks eloquently for their natural salubrity, or that dependent upon the observance of sanitary laws. Both doubtless, perhaps the first most, play a special part, since they are counties which year after year since the census of 1891 have told much the same story. Bruce and Grey, Huron and Perth, have had for years a persistently low mortality from tuberculosis, and have been frequently spoken of as the highlands of the central plateau of western Ontario. The country is well drained, with a pervious soil of Saugeen clays and gravels; has no large towns, and was settled among the last of the older counties of Ontario, being largely a tract held by large land companies for settlement till well toward the middle of the century. The effects of the more outdoor life upon the general health of a younger immigrant population, and especially upon the prevalence of consumption, have before been referred to. Waterloo and Wellington belonging to the same group of upland counties show the same effects of altitude and an inland climate, with their rates of 10.7 and 10.8 respectively. Renfrew, which has shown a notable increase in population, it being 7,877, shows both the influence of an upland salubrious territory and of a vigorous young rural population. Brant, with a rate of 11.4; Elgin, with a rate of 11.2, and Middlesex, with a rate of 12.6, form a remarkable group, since in each is a city which holds a large relative part of the population. Thus, Brantford has in 1901, 16,619 in a county total of 38,140; St. Thomas, 11,485 in a county total of 43,586, and London, 37,981 in a population of 92,700. The counties of Welland and Essex in earlier years, owing to the wide extent of wet clay soils, showed a notably higher mortality than other more favorably located counties. With their extensive municipal drainage works and extended cultivation the health conditions in both have steadily improved.

*Deaths by Cities.* The total deaths, with the population corrected by the census of 1901, in the 14 cities of the Province were 8,071, or 416 over 1899, and being a death rate of 17.1 as compared with 16.8 in 1899.

It will be seen that the mortality rate compares with remarkable closeness to the rates in American cities, under similar climatic, social and sanitary conditions, and may therefore be

taken as a standard average death rate at the beginning of the new century in the most progressive cities of the continent.

Thus Toronto in 1900 had a death rate of 17.3 as compared with 18.9, Hamilton 15.4 as compared with 13.9, London 13.2, Brantford 13.3, Guelph 14.8, Chatham 14.6, and St. Thomas 11.8. Further examples will be found in table 2 on page 34, illustrating average mortality rates. Several cities, however, have higher rates, explained in part by local conditions. Ottawa, with its 21.1, has three general hospitals, and for years has been the Mecca to which the sick from the great lumber district of the north resort. It has, moreover, a majority of its people of French origin, whose large families serve everywhere to increase the infant mortality. These, and other local conditions excluded, the mortality rate of the Capital of the Dominion would compare favorably with the large cities of the continent.

The high rate of the city of Belleville is explained in part on the conclusions based upon the death rate amongst a stationary population, this being actually less in 1900, 9,117, than in 1891, when it was 9,916, and further, from the deaths being from outside municipalities in the hospital and registered in the city. This cause, of course, serves in every city where large county hospitals exist to increase the apparent mortality rate and of course affects more noticeably the rate in small than in large centres.

The same influences are seen to explain, to the same extent at least, the abnormal rates in certain towns. For instance, North Bay, with 20.1, not only has a considerable French population, but is also a railway junction point. In Orangeville there is found an abnormally large number of deaths of old persons, but the great differences in the several populations set down in table on page 51 lead to the inference of some error in the figures regarding the population estimate. Rat Portage shows a mortality rate of 22.2, and is most naturally explained from the fact that it is the outlet by steamboat of a large lake and river inland country, from whence the sick are brought out to the hospital to receive medical attendance. That the old town of Welland should have so high a mortality is explained in part from the standpoint of a decreasing town population and a low birth rate.

*Deaths by Classes of Disease.* The rearrangement of diseases in classes by the Bertillon system makes it possible for us to institute a comparison with only 1898 and 1899. The class of communicable (epidemic) diseases shows 2,255, as compared with 2,460 in 1899, and 1,709 in 1898. The principal cause of increase over 1898 was in both years, influenza—there being in 1899, 990 deaths, as compared with 192 in 1898, and 328 in 1900. In the class of General Diseases we find an increase of 5,559, as compared with 5,355 in 1899, and 5,213 in 1898. In the several succeeding classes of diseases of the nervous system—of Circulation, Respiration and Digestion—every class shows an increase over 1899, excepting the Respiratory System. The relation of this class to the severe epidemic of influenza is the natural explanation of the excess in 1899 of 225 deaths.

Class XII., which contains Diseases of Malformation and of Senility fortunately does not tend to increase, showing that year by year more exact diagnosis of disease is being made.

*Deaths from Communicable (Epidemic) Diseases.* This class has always been of interest, marking as it does, especially the advance of scientific medicine. The following table gives the deaths from the several diseases:—

	1891.	1892	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900	Total.
Typhoid Fever .....	744	445	473	383	588	552	355	405	452	682	5,079
Smallpox .....		1	6	8	3				7	11	36
Measles .....	79	117	136	206	86	36	80	115	40	143	1,088
Scarlet Fever .....	216	240	19*	454	124	99	169	222	246	170	2,138
Whooping Cough .....	102	145	162	178	112	187	163	126	124	185	1,484
Diphtheria and Croup .....	952	890	1,044	1,075	942	925	976	634	599	738	8,775



	1891.	Rate per 1000.	1892.	Rate per 1000.	1893.	Rate per 1000.	1894.	Rate per 1000.	1895.	Rate per 1000.	1896.	Rate per 1000.	1897.	Rate per 1000.	1898.	Rate per 1000.	1899.	Rate per 1000.	1900.	Rate per 1000.
Total	2,093	0.95	1,838	0.84	2,069	0.94	2,304	1.05	1,855	0.85	1,799	0.82	1,743	0.80	1,502	0.69	1,468	0.66	1,929	0.88
Influenza .....			1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	Total.							
			393	927	483	613	426	502	549	192	990	324	5,399							

But little comment upon the figures of the table is necessary. The variations during a decade of any one of the diseases is in most instances comparatively small; but taken as a whole they illustrate a continued downward tendency in deaths from this class of disease. It has been remarked before that there is a notable reduction in the deaths amongst children of school-age, between 5 and 15 years. In other words that the schools being the most ordinary means of dissemination of these diseases, care in preventing diseases so disseminated most plainly shows itself in a decreased death-rate. Thus diphtheria, which had year by year caused nearly 1,000 deaths, showed in 1896 a decided decline and since remained nearly stationary. Had typhoid, largely a disease of adult life, not increased in 1900, the low total rate established would have been largely maintained. Taking the total for all these diseases and it is gratifying to know that for ten years they have but once exceeded 1.00 for 1,000 while in several years the rate was lower than 0.75. Influenza, which properly is classed amongst the communicable diseases, has hitherto appeared so irregularly and seems so little amenable to all ordinary rules governing preventable diseases that it has not been dealt with by the Boards of Health.

*Deaths from Tuberculosis.* This disease has maintained its preeminence during the year having caused 3,484 deaths during 1900. The excess in cities, there being 1,081 deaths in a population of 475,222 is notable, the rates being 2.27 per 1,000 for cities as compared with 1.59 for the Province as a whole or 1.4 for the rest of the Province outside of the cities. The rate is high and probably relatively higher than it should be if other countries placed the proportionate number of deaths from malnutrition and atrophy under the class, tuberculosis, which has been done in the reports since 1897. Thus all infants dying under four months when no specific cause other than atrophy, malnutrition, marasmus, scrofula, was given have been entered under tuberculosis. That the ill-defined disease of chronic wasting, with usually diarrhoea in children, may not be due to tuberculosis but to defective assimilation of food and wasting from other causes is quite true; but on the other hand that the children born ill-nourished, and which fail in health almost continuously from birth have in most instances the taint of tuberculosis is probably much more constantly true. That this explanation, while not lessening the alarming prevalence of tuberculosis, in part explains the relatively high prevalence of the disease in Ontario may be seen by a comparison of the deaths in the class of diarrhoeal diseases. The deaths due to this cause were 1,688, 1,089, 1,325 and 1,119 respectively, the excess in 1900 being due to the intense and long continued heat of August of that year; York alone having in that month 112.

A table of diarrhoeal diseases of interest in this connection is found on page 29. While the diarrhoeal diseases which include cholera infantum, diarrhoea acuta, cholera morbus and enteritis, cover a rather mixed class, yet the great predominance of the disease, cholera infantum, in the tables shows that the deaths from diarrhoeal diseases were principally among children, and hence cover the deaths which in part are classed under malnutrition, chronic diarrhoea and lienterie and anaemia in infants.



The distribution of tuberculosis by counties and cities is of constant interest. This is seen in the following table and shows the following rates per 1,000, on the basis of the census of 1901:

*Deaths in 1900 in Ontario by Counties giving rate per 1,000.*

Algoma .....	1.0	Lambton .....	1.2	Prescott and Russell .....	1.7
Brant .....	1.6	Lincoln .....	1.7	Peterborough .....	2.1
Bruce .....	1.8	Lanark .....	1.2	Prince Edward .....	1.8
Carleton .....	2.2	Leeds and Grenville .....	2.3	Rainy River .....	0.8
Dufferin .....	0.9	Lennox and Addington .....	1.6	Renfrew .....	1.0
Elgin .....	1.3	Middlesex .....	1.4	Simcoe .....	1.2
Essex .....	1.4	Muskoka .....	1.7	Stormont, Dundas & Glengarry .....	1.7
Frontenac .....	2.1	Norfolk .....	1.2	Thunder Bay .....	0.9
Grey .....	1.5	Nipissing .....	1.4	Victoria .....	1.2
Haldimand .....	1.1	Northumberland & Durham .....	1.8	Waterloo .....	1.3
Halt .....	1.4	Ontario .....	1.5	Welland .....	1.1
Haliburton .....	0.8	Oxford .....	1.7	Wellington .....	1.2
Hastings .....	1.7	Parry Sound .....	0.7	Wentworth .....	1.9
Huron .....	1.2	Peel .....	1.6	York .....	2.1
Kent .....	1.8	Perth .....	1.1		

*Deaths from tuberculosis in cities in 1900.*

Toronto .....	2.3	Guelph .....	1.7
Hamilton .....	1.8	St. Catharines .....	2.8
Ottawa .....	2.3	Belleville .....	3.0
London .....	1.8	Stratford .....	1.8
Kingston .....	3.1	Windser .....	2.3
Brantford .....	2.4	Chatham .....	1.9
St. Thomas .....	0.9	Woodstock .....	2.0

The table of deaths by counties indicates that from causes, which are not readily explained, the counties bordering the eastern end of Lake Ontario and the St. Lawrence have for counties with no large cities, an unusually high mortality from tuberculosis. The rate is indeed alarming. That in Frontenac with its 2.1 is accentuated by the presence of Kingston with the enormous rate of 3.1, while Leeds and Grenville has 2.3 and includes Brockville with 2.2.

The Garden River Indian Reserve has the following deaths reported in a total from all causes of 39, and in Manitoulin Reserve with a total of 38.

*Deaths from Consumption and Grippe on Indian Reserves in 1901.*

La Grippe .....	Not stated.	Consumption .....	2 months.
do .....	4 months.	do .....	Not stated.
do .....	2 years.	do .....	Not stated.
do .....	Not Stated.	do .....	5 months.
do .....	3 weeks.	do .....	2 months.
do .....	15 days.	do .....	Not stated.
do .....	3 weeks.	do .....	Not stated.
do .....		do .....	5 months.
do .....		do .....	4 months.
do .....		do .....	1 year.
do .....	3 weeks.		
do .....	15 days.		
do .....	3 weeks.		

14 deaths.

10 deaths.

Total deaths from all causes—39.

*Manitoulin Island Reserve.*

La Grippe .....	3 months.	Consumption .....	Not stated.
do .....	1 month	do .....	1 month.
do .....	3 "	do .....	6 months.
do .....	6 "	do .....	2 years.
do .....	3 "	do .....	
do .....	3 "	do .....	5 months.
do .....	2 "	do .....	
do .....	1 day.	do .....	
do .....	3 months.	do .....	
		do .....	
		do .....	

9 deaths.

Total 11 deaths.

Total deaths from all causes—38.

It thus appears that of a total of 77 deaths, 23 were returned as due to la grippe, and 21 were returned as due to consumption. This means that out of 77 deaths in both bands almost a third or 31 per cent. were returned as due to consumption, and 34.3 to influenza. The length of sickness given for influenza being on an average 14 weeks, at least half that for consumption which was given as 28 weeks shows that the death must have been due to a chronic disease and not from the results in most cases of some acute disease.

The last printed report of the Indian Department gives 767 as the number of persons in these bands, and, we thus have a mortality rate of 100.4, almost two-thirds of which is due to what must, for the most part, have been consumptive. The situation could scarcely be worse, and unless extermination of the Indian race is to be looked upon as inevitable, demands the most serious attention of those responsible for their care. A later return obtained through the kindness of the physician and agent of the Grand River Mohawk Reserve, gives a total of deaths of 95 in 4,010 population. A partial register kept gives 14 deaths out of a total of 29 as due to tuberculosis.

The unusual mortality in Belleville of 3.0 is rather in excess of what it normally would be, as 4 deaths of non-residents were registered, but this does not explain the high rate for Hastings of 1.7; while Northumberland and Durham, with no hospital in her towns, has still 1.8. The same may be said of Prince Edward with its 1.8 per 1,000. The causes are to some small degree that of the decreased population so frequently referred to, but undoubtedly there is a distinct climatic influence present as a factor, accentuating the effects of heredity and the contagion which has lingered in many of the infected houses of this as other old settled communities.

The newly settled northern counties, as Renfrew, Nipissing, Algoma, Thunder Bay and Rainy River here again proclaim the effect upon mortality of a young and vigorous frontier population living under those more primitive conditions which promote health. That it requires a population to become permanent in a district and to live under unsanitary conditions in the same houses in which a case has occurred in order to make tuberculosis take the conditions of a true epidemic may be gathered from the following statement of mortality on the Indian Reserve.

The extended drainage works and improved agricultural conditions of both the Niagara and Essex peninsulas, which in former years had abnormally high death rate from tuberculosis are having effects distinctly lessening the mortality from phthisis. Thus Haldimand has 1.1; Welland, 1.1; Lincoln, 1.7 and Essex, 1.4 deaths per 1,000.

Other counties call for no special remark except to point out that those with the three largest cities, York, Carleton and Wentworth, have abnormal rates; but the rates in the cities apart from these counties were 2.3, 2.3 and 1.8 respectively. It is to be remarked too that Brantford and Woodstock with 2.4 and 2.0 respectively must be classed as having high deaths for inland towns situated in dry upland soils. It does not appear that any great reduction is due to deaths in hospital of non-residents, there being but one returned as non-resident in Brantford.

*Deaths from Nervous Diseases.* The total deaths from this class of diseases was 3,197, and 3,481 in 1899, and 3,197 in 1898. The increase as compared with 1891 is notable, the total in that year being 2,401, which may be considered abnormal for that period, it following the epidemic of lagrippe in 1890, which left so many hurtful results especially to the nervous system in its train.

While the proportion of deaths in the cities is relatively high, having been 799 as compared with 1,602 in the rest of the Province in 1891, or nearly 50 per cent., yet the rate of increase shows that the deaths in cities was in the previous period 1 to 2.2 as compared with 1 to 2.5 in 1900.

The unfortunate fact is that the mortality from this class of disease has increased in the decade by nearly 41 per cent, and that it has caused 12.27 of the total deaths within the Province. The causes are to some extent associated with the increased deaths in the later age

periods, but doubtless other influences are operative, which it would not be unprofitable to study.

*Deaths from diseases of the Respiratory System.* The total deaths under this class were 2,995 as compared with 3,220 in 1899, and 2,715 in 1898. It is remarkable, however, that pneumonia which caused in cities 450 deaths caused 510 in 1890. The relation of these large figures to the terrible epidemic of influenza in 1890 quite in keeping with what we see in 1899, the total deaths in the cities from it being 457 and 1,825 in the whole Province. Its relations with the high mortality recorded in that year from tuberculosis are also very apparent.

*Deaths from Cancer.* The total deaths recorded as due to this disease were 1,055 as compared with 1,041 and 975 in the preceding years. The following table gives the totals for the past ten years :

1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.
579	676	678	621	620	731	927	975	1,041	1,055

The mortality increase from this disease within recent years in different countries has been the subject of much speculation by the medical profession, and has been approached from the most varied standpoints. Some have asserted that its prevalence in England has been directly due to the location and soil conditions of certain towns. Others that it has in a peculiar sense the characteristics of a hereditary disease ; while the most recent investigations, especially by prominent investigators in the United States and in Austria tend to the conclusion that it has a specific microbic origin. The figures given here, while showing an increase of 100 per cent. between 1891 and 1900, indicate from year to year a very gradual increase, except in 1897 as compared with 1896, which year it is remembered was the first under the amended Act, and which showed an increased total registration of 3,580 over 1896. Thus the increase in cancer from 731 to 927 of almost 200 must be considered as proportionally to the increase in general. Remembering the commonly observed fact that cancer is peculiarly a disease of the later years of life, and also the increase in total deaths subsequent to 30 years, which has been an average of 49 per cent. it will not be surprising that cancer, which caused 33 per cent. of the total deaths should have increased proportionately. The exact ratio in 1891 and 1900 of cancer to the total deaths is 1 to 37 and 1 to 28 deaths.

This is not the place to study causes of diseases ; but it is, as was remarked regarding nervous diseases, inevitable that diseases peculiar to the later years of life should show for the population reasons stated a relative increase. The fact that 329 out of a total of 1,055, or nearly one-third, occurred in the 14 cities would lead to the conclusion of a much greater prevalence of the disease in urban than in rural districts. That, however, many cases are sent to the hospitals for operative treatment may be the true explanation of this rather than that of the degenerative influences upon health of life in towns and cities.

*Deaths from Diarrhoeal Diseases.* The following table gives the deaths during the past ten years due to this class. The table includes the total deaths for the group under the two headings :

*Table shewing Deaths from Diarrhoeal Diseases from 1891 to 1900.*

Year.	Cholera Infantum.		Other Diarrhoeal Diseases.		Total.	
	Deaths.	Rate per 1,000.	Deaths.	Rate per 1,000.	Deaths from both classes.	Rate per 1,000.
1891.....	587	0.3	515	0.2	1,102	0.5
1892.....	668	0.3	377	0.1	945	0.4
1893.....	637	0.3	533	0.2	1,160	0.5
1894.....	605	0.3	586	0.2	1,181	0.5
1895.....	512	0.2	602	0.3	1,114	0.5
1896.....	905	0.4	544	0.2	1,449	0.67
1897.....	1,119	0.5	392	0.1	1,511	0.78
1898.....	1,325	0.6	418	0.2	1,773	0.80
1899.....	1,089	0.5	472	0.2	1,561	0.7
1900.....	1,688	0.8	611	0.3	2,299	1.7



The following figures show the prevalence of deaths elsewhere due to these diseases :

1898.....Scotland. Deaths from all forms of diarrhoea and dysentery, .54 per 1,000, or 2.92% of all deaths.			
Principal towns.....	.74 per 1,000	Small towns .....	.49 per 1,000
Large towns .....	.59 "	Mainland rural .....	.30 "
		Insular rural .....	.14 "
1899.....England and Wales (highest since 1893).....			.975 per 1,000.

It will be apparent that as regards the total deaths from this class, the Ontario rate compares favorably with the death rate in England and Wales. The reduced deaths from this class of diseases indicate almost better than anything else the high standard of life amongst an urban people, as regards municipal sanitation and the moral and intellectual status of the people.

It will be noted that with the improved returns since 1896, the rate in Ontario has been higher ; but only in one year has the rate been remarkable, viz., 1900. The intense and prolonged heat of July and August of that year caused a mortality amongst infants and old people, not approached for years, and was common to Canada as to the neighbouring States. For the time the rate approached that of southern countries ; but fortunately the period of intense heat was necessarily shorter.

There are many other details of interest arising from a study of the mortality returns ; but what has been said indicates fairly well the certainly high standard of health enjoyed by the people of the Province as a whole. It is to be hoped, with the beginning of a new century and a new inter-censal period, that the other Provinces of Canada will establish such a system of vital statistics as will make it possible for a comparative study to be made at the end of the decade.

Respectfully submitted,

PETER H. BRYCE,

Deputy Registrar-General.

## REPORT OF INSPECTOR.

TORONTO, January 2nd, 1902.

To the Honourable J. R. STRATTON,

*Registrar General of Ontario.*

SIR,—I have the honor to report that during the past year I visited for purposes of inspection Division Registrars of Municipalities, within the Counties of Brant, Carleton, Haldimand, Halton, Hastings, Lanark, Lincoln, Ontario, Peel, Renfrew, Simcoe, Welland, Wentworth, and York.

In a number of cases I found the Division Registrar makes most earnest efforts to secure complete returns and as far as regards marriages and deaths he succeeds very well, and many of the half yearly returns I regard as practically complete in these respects. But as for births the same old difficulties are continually cropping up, the parent depending upon the physician in attendance to make the report while the physician is certain the parent has attended to the matter. Between the two of them the Division Registrar finds another conclusive proof that "too many cooks spoil the broth," and this Department is compelled to report year by year a very low birth rate in Ontario. It is quite evident to the most casual observer that the birth rate in the older settled sections is actually a low one at present, but statistics make it appear worse than it really is, as I am satisfied that there is a considerable number of births unregistered each year throughout the Province. Can this defect be remedied and if so, how? is the question that presents itself, and the answer seems clear to me that only by obtaining the active and sympathetic assistance of the medical practitioners can we hope to better the condition of things in

this respect. This is a matter to which I have referred in several of my previous reports but it will bear repeating. A large number of physicians are most conscientious in sending in their reports, but the great mass of the profession seems to regard the work as something to be avoided if it can possibly be managed, and they rely upon the parents making a return to the Division Registrar in time to save them from any of the penalties provided under sec. 29 of the Registration Act. This I consider the weak spot in the Act and would again recommend that it be so amended that both the parent and the physician in attendance be required to send in their returns, and neither one of them would be relieved from the penalty for non registration by the action of the other. Until this is done and the physicians are given to understand that their return must be forthcoming under all circumstances can we be assured of anything like satisfactory birth statistics.

As regards marriage returns I have little to complain of and clergymen as a rule are to be congratulated on the work they do in this respect. It comes easier for them no doubt to comply with the Act on account of having their own register before them all the time and it is a simple matter to make copies of the records and forward them to the Division Registrar, but nevertheless I desire to give them all credit for the assistance they voluntarily render this Department.

I find considerable improvement among the undertakers in the matter of obtaining burial permits although some instances of infringement of the Act yet are apparent and too many permits are obtained after the burial takes place instead of before the interment. Taken altogether I think the death returns throughout the Province are pretty nearly complete.

The clerical work on the part of the several Division Registrars continues to show a steady improvement, although from some municipalities the returns are still below the mark and not at all creditable to the officials concerned, many of whom seem to pay not the slightest attention to the little details which have been explained to them time and time again during the past years.

The prosecutions for infringement of the Registration Act during the past year were confined to the Cities of Ottawa and Toronto. At the former place an undertaker was fined for interring a deceased person without having obtained a burial permit. At Toronto a number of informations were laid against both parents and physicians in attendance for non-registration of births. The cases were brought up at several sittings of the Court and many fines were imposed on both medical practitioner and laymen, but the same uncertainty arose as in former years as to the relative responsibility of the different parties and the magistrate evidently did not relish the idea of punishing both parent and physician for the same offence. This trouble will continue to arise until Sec. 29 is amended on the lines suggested in a former paragraph of this report. While suggesting a few changes in the Act I would also strongly recommend that more stringent steps be taken to find out when and where infringements occur. I take it that the license law would be practically a dead letter unless means were used to locate breaches of the Act so that punishment could follow, then how can it be expected that the Registration Act can be enforced unless means be adopted which will place in the hands of the Inspector the chance of getting evidence at all times which will enable him to prove the charges of infringement which he may consider it necessary to make.

In conclusion I am pleased to be able to say that each succeeding year a more general interest appears to be taken in the work of this department, and its value to the State is being more and more recognized. When the public as a whole begin to appreciate the importance of the work done, then the obtaining of correct vital statistics will be a comparatively easy matter.

I have the honor to be, sir,

Your obedient servant,

R. B. HAMILTON,

Inspector of Vital Statistics.

TABLE 1.

Table showing the total number of Births, Marriages and Deaths in each County in 1900.

Counties.	Population.	Births.			Marriages.			Deaths.			Totals.			Ratio to 1,000 of the population.		
		Variation from 1899.		Number in 1900.	Variation from 1899.		Number in 1900.	Variation from 1899.		Number in 1900.	Variation from 1899.		Number in 1900.			
		Increase.	Decrease.		Increase.	Decrease.		Increase.	Decrease.		Increase.	Decrease.				
Algoma .....	18,167	14	59	840	59	268	432	144	74	1,540	217	107	46.2	14.7	23.7	
Brant .....	39,895	77		697	26	277	485		5	1,409	75		17.4	6.9	10.9	
Bruce .....	70,721	15		1,321	3	397	708			2,426	98		18.6	5.6	10.0	
Carleton .....	84,971	453		2,054	14	741	1,745	69		4,540	98		24.1	8.7	20.5	
Dufferin .....	24,347	48		163	1	163	257	11		873	30		18.1	6.7	10.5	
Elgin .....	47,482	48		766	44	354	492			1,612	92		16.1	7.4	10.3	
Essex .....	60,805	32	16	1,490	69	1,305	749		50	3,544	3		24.5	21.4	12.3	
Frontenac .....	51,490	87		918	31	332	705	51		1,955	114		17.8	6.6	13.6	
Grey .....	77,958	87		1,407	13	504	774	25		2,685	125		18.0	6.4	9.8	
Haldimand .....	25,637	6		375	16	155	251		10	781	18		14.6	6.0	9.8	
Halton .....	24,063	14	14	408		131	272	16		811	18		16.9	5.4	11.3	
Haliburton .....	6,945	5	5	177	28	45	63		8	285	17		25.6	6.4	9.0	
Hastings .....	64,784	79		1,203		498	747	32		2,448	139		18.5	7.5	11.6	
Huron .....	73,103	1,159		1,159	32	419	726		36	2,304			15.8	5.7	9.9	
Kent .....	64,256	77	95	1,321	17	437	748		24	2,506	21		20.5	6.8	11.6	
Lambton .....	6,095	24		1,167		419	706		25	2,292			19.4	6.9	11.7	
Leamark .....	41,294	42		742	15	279	482	20		1,503	77		17.9	6.7	11.6	
Leeds and Grenville .....	66,631	43		1,012		485	809		26	2,306	86		15.1	7.3	12.1	
Lennox and Addington .....	27,090	420	52	233	11	203	287		32	910	38		17.1	7.5	10.6	
Lincoln .....	32,926	11	11	564	27	224	461	22		1,249	38		17.1	6.8	14.0	
Middlesex .....	111,616	22		1,673		691	1,169		36	3,533	38		17.1	6.2	10.4	
Muskoka .....	18,138	3	3	537	22	156	268	35		961	60		29.5	8.6	14.7	
Nipissing .....	12,889	6	6	911	33	215	433	93		1,609	132		74.5	16.6	33.7	
Norfolk .....	33,923	8		609		238	387		12	1,234			17.9	7.0	11.9	
Northumberland and Durham .....	77,134	16	22	1,146	14	371	870	75		2,387			14.8	4.8	11.2	
Ontario .....	49,648			858		272	582		64	2,887	105		17.1	5.4	11.7	
Oxford .....	54,567	2	2	498	49	382	707	13		2,087	60		18.2	7.0	12.9	



Parry Sound	16,110	684	9	152	9	310	49	1,146	67	424	9.4	19.2
Pel	27,222	388	3	142	30	261	...	791	2	14.2	5.2	9.6
Pel	56,612	991	...	362	5	590	57	1,943	60	17.5	6.4	10.4
Peterborough	38,649	776	19	258	35	479	...	1,513	21	20.1	6.6	12.4
Prescott and Russell	46,481	1,591	69	392	66	747	42	2,730	39	34.2	8.4	16.1
Prince Edward	20,671	290	28	132	...	249	...	671	32	14.0	6.4	12.0
Rainy River	4,598	329	72	111	...	210	56	650	122	71.5	24.1	45.6
Renfrew	50,361	4,392	26	406	68	572	56	2,370	150	27.6	8.6	11.3
Simcoe	78,520	1,739	166	537	...	1,021	76	3,317	215	22.4	6.8	13.0
Stormont, Dundas and Glengarry	76,339	1,382	90	460	...	835	...	2,677	16	18.1	6.0	10.9
Thunder Bay	5,952	262	59	90	14	180	32	532	125	44.0	15.1	30.2
Victoria	36,112	692	17	244	21	423	51	1,359	89	19.1	6.7	11.7
Waterloo	55,237	1,104	2	402	50	661	51	2,170	103	19.9	7.2	12.0
Welland	33,538	647	22	305	8	408	...	1,360	3	19.8	9.1	11.8
Wellington	65,053	1,118	100	446	54	695	...	2,259	144	17.2	6.8	10.6
Wentworth	86,317	1,506	35	572	...	1,126	27	3,204	31	17.4	6.6	13.0
York	307,304	6,940	598	2,135	...	4,459	342	12,534	882	19.3	6.9	14.5
Totals	2,825,712	46,127	1,816	17,107	904	29,494	1,465	92,728	3,488	19.8	7.3	12.6

\* R.C.

TABLE 2.

Table showing the total number of Births, Marriages and Deaths in each City in 1900.

Cities.	Population.	Births.			Marriages.			Deaths.			Totals.			Ratio to 1000 of the Population.		
		Variation from 1899.		Number in 1900.	Variation from 1899.		Number in 1900.	Variation from 1899.		Number in 1900.	Variation from 1899.		Number in 1900.	Births.	Marriages.	Deaths.
		Increase.	Decrease.		Increase.	Decrease.		Increase.	Decrease.		Increase.	Decrease.				
Toronto .....	208,040	4,534	528	4,534	.....	53	1,789	.....	53	3,602	313	.....	9,925	21.7	8.6	17.3
Hamilton .....	52,634	1,003	57	1,003	.....	1	443	1	.....	808	89	.....	2,254	19.1	8.4	15.3
Ottawa .....	59,928	1,334	78	1,334	.....	14	500	.....	14	1,262	14	.....	3,096	22.2	8.3	21.1
London .....	37,983	703	39	703	.....	37	397	37	.....	504	.....	40	1,604	18.5	10.4	13.2
Kingston .....	17,961	381	50	381	.....	25	188	25	.....	378	65	.....	947	21.2	10.4	21.0
Brantford .....	16,619	379	.....	379	.....	34	182	34	.....	221	.....	44	782	22.8	10.9	13.3
St. Thomas .....	11,485	189	2	189	.....	28	146	28	.....	136	4	.....	471	16.4	12.7	11.8
Guelph .....	11,496	287	24	287	.....	11	109	11	.....	170	.....	10	516	20.6	9.5	14.8
St. Catharines .....	9,946	161	1	161	.....	12	100	12	.....	183	3	.....	444	16.2	10.0	18.4
Belleville .....	9,117	155	.....	155	.....	25	83	.....	25	200	27	.....	438	17.0	9.1	21.9
Stratford .....	9,959	180	22	180	.....	7	82	.....	7	125	18	.....	387	18.0	8.2	12.5
Windsor .....	12,153	260	25	260	.....	12	749	12	.....	190	14	.....	1,199	21.3	61.6	15.6
Chatham .....	9,068	154	.....	154	.....	8	112	.....	8	133	.....	41	399	16.9	12.3	14.6
Woodstock .....	8,833	184	30	184	.....	29	105	29	.....	159	4	.....	448	20.8	11.8	18.0
Totals .....	475,222	9,854	856	9,854	.....	25	4,985	189	107	8,071	551	135	22,910	20.7	10.5	17.0

TABLE 3.

Table showing the total number of Births, Marriages and Deaths in each Town in 1900.

Towns.	Population.	Births.			Marriages.			Deaths.			Totals.			Ratio to 1000 of the Population.		
		Number in 1900.	Variation from 1899.		Number in 1900.	Variation from 1899.		Number in 1900.	Variation from 1899.		Increase.	Decrease.	Number in 1900.	Births.	Marriages.	Deaths.
			Increase.	Decrease.		Increase.	Decrease.		Increase.	Decrease.						
Barrie.....	5,949	116	16	.....	55	.....	7	80	20	.....	29	.....	251	19.5	9.2	13.4
Brockville.....	8,940	183	.....	8	94	.....	9	161	20	.....	8	.....	438	20.4	10.5	18.0
Berlin.....	9,747	200	15	.....	97	15	.....	146	19	.....	49	.....	443	20.6	9.9	14.9
Bracebridge.....	2,479	88	13	.....	47	17	.....	38	5	.....	35	.....	173	35.5	18.9	15.3
Brampton.....	2,748	39	.....	5	44	20	.....	44	1	.....	16	.....	127	14.2	17.7	18.9
Cornwall.....	6,704	204	33	.....	76	9	.....	127	.....	8	34	.....	407	30.4	11.3	18.9
Cobourg.....	4,239	73	.....	9	23	.....	12	78	.....	5	.....	26	174	16.9	5.4	18.4
Cayuga.....	771	14	.....	9	13	.....	1	14	.....	.....	.....	8	41	18.1	16.8	18.1
Goderich.....	4,158	51	.....	10	26	.....	7	54	.....	2	.....	5	131	12.2	6.2	13.0
Lindsay.....	7,003	125	.....	13	88	12	.....	111	28	.....	27	.....	324	17.8	12.5	15.8
L'Orignal.....	1,026	27	23	.....	16	14	.....	12	10	.....	47	.....	55	26.3	13.6	11.7
Milton.....	1,378	31	8	.....	6	.....	.....	24	11	.....	19	.....	61	22.5	4.3	17.4
Napanee.....	3,143	42	.....	18	46	.....	8	39	.....	1	.....	27	127	13.3	14.6	12.4
Niagara Falls.....	4,244	88	.....	13	77	.....	6	55	.....	8	.....	27	220	20.7	18.1	12.9
North Bay.....	2,532	112	4	.....	25	.....	1	51	12	.....	15	.....	188	44.2	9.8	20.1
Orangeville.....	2,511	57	32	.....	42	.....	9	59	20	.....	61	.....	158	22.7	16.7	23.5
Owen Sound.....	8,776	172	13	.....	80	.....	47	128	12	.....	34	.....	380	19.6	9.1	14.5
Parry Sound.....	2,884	104	.....	16	47	24	.....	77	26	.....	.....	.....	228	36.0	16.3	26.7
Peterboro.....	11,239	221	10	.....	97	.....	1	175	7	.....	.....	.....	493	19.6	8.6	15.6
Pembroke.....	5,156	134	.....	10	51	.....	5	67	.....	10	.....	15	252	25.9	9.9	13.0
Perth.....	3,588	87	7	.....	31	.....	14	68	10	.....	.....	.....	186	24.2	8.6	19.0
Pictou.....	3,698	70	14	.....	56	10	.....	78	24	.....	48	.....	204	18.9	15.1	21.1
Port Arthur.....	3,214	81	20	.....	48	12	.....	81	17	.....	49	.....	210	25.2	14.9	25.2
Rat Portage.....	5,202	144	28	.....	74	.....	6	118	44	.....	66	.....	336	27.6	14.2	22.2
Sarnia.....	8,176	153	19	.....	120	7	.....	116	18	.....	.....	.....	389	14.6	14.6	14.1
Sault Ste. Marie.....	7,196	123	8	.....	66	11	.....	82	38	.....	57	.....	271	17.1	9.1	11.4
Simcoe.....	2,627	60	11	.....	40	.....	12	46	12	.....	11	.....	146	22.4	15.2	17.5
Toronto Junction.....	6,091	191	47	.....	39	.....	9	94	18	.....	56	.....	324	31.3	6.4	15.4
Walkerton.....	2,870	55	.....	4	25	.....	8	47	1	.....	5	.....	127	18.5	8.4	15.8
Welland.....	1,863	29	10	.....	28	.....	3	35	.....	3	4	.....	92	15.5	15.0	18.8
Whitby.....	2,110	42	8	.....	20	6	.....	45	17	.....	31	.....	107	19.9	9.4	21.3
Total.....	142,362	3,116	329	115	1,597	182	140	2,350	390	37	743	134	7,063	21.8	11.2	16.5



TABLE 4.

Illegitimate Births, Twins and Triplets in the Province.

Illegitimate Births.		Ratio to 1,000 births.	Number of pair of twins.	Number of cases of triplets.
No.	Proportion to whole number of births.			
800	One to every 57 births .....	17.3	410	3

TABLE 5.

Births in the Province in 1900, showing the Proportion of Male to Female Births.

Sex.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Males .....	1,887	1,887	2,236	2,096	1,985	1,956	2,066	2,116	2,023	1,935	1,831	1,825	23,843
Females ...	1,827	1,726	2,071	1,976	1,911	1,815	1,847	1,972	1,934	1,837	1,594	1,774	22,284
Totals .....	3,714	3,613	4,307	4,072	3,896	3,771	3,913	4,088	3,957	3,772	3,425	3,599	46,127
Male births to 100 female births.	103.3	109.2	107.9	106.1	103.8	107.7	111.8	107.3	104.6	105.3	114.8	108.5	106.9

TABLE 6.

Order of Births by Months in the Province.

Months.	Males.	Months.	Females.	Months.	Total males and females.
March .....	2,236	March .....	2,071	March .....	4,307
August .....	2,116	April .....	1,976	August .....	4,088
April .....	2,096	August .....	1,972	April .....	4,072
July .....	2,065	September .....	1,934	September .....	3,957
September .....	2,023	May .....	1,911	July .....	3,913
May .....	1,985	July .....	1,847	May .....	3,896
June .....	1,956	October .....	1,837	October .....	3,772
October .....	1,935	January .....	1,827	June .....	3,771
January .....	1,887	June .....	1,815	January .....	3,714
February .....	1,887	December .....	1,774	February .....	3,613
November .....	1,831	February .....	1,726	December .....	3,599
December .....	1,825	November .....	1,594	November .....	3,425
Total .....	23,843	Total .....	22,284	Total .....	46,127

TABLE 7.  
Marriages by Months in the Province.

Months.	1899.	Months.	1900.	Quarters.	1899.	Quarters.	1900.
June .....	1,781	June ..	1,853	Quarter ending Dec. 31....	4,874	Quarter ending Dec. 31....	5,092
December .....	1,762	December .....	1,813	Quarter ending June 30 ...	4,063	Quarter ending June 30...	4,283
September .....	1,698	October .....	1,792	Quarter ending Sept. 30...	3,929	Quarter ending March 31..	3,960
October .....	1,620	September .....	1,652	Quarter ending March 31..	3,628	Quarter ending Sept. 30...	3,816
November .....	1,492	January .....	1,538	No date given .....	20	No date given .....	6
April .....	1,280	November .....	1,487				
March .....	1,277	April .....	1,340				
January .....	1,231	February .....	1,214				
August .....	1,137	March .....	1,208				
February .....	1,120	July .....	1,120				
July .....	1,094	August .....	1,044				
May .....	1,002	May .....	1,040				
No date given ..	20	No date given ..	6				
Total .....	16,514	Total .....	17,107	Total .....	16,514	Total .....	17,107

TABLE 8.  
Marriages by Denominations in the Province.

Denominations.	Number of persons married.	Per cent. of whole.	Proportion to the whole number of persons married.
Methodists .....	11,748	34.3	As 1 to 2.9 of persons married.
Presbyterians .....	7,050	20.6	" 4.8 "
Church of England .....	5,363	15.7	" 6.3 "
Roman Catholics .....	5,151	15.0	" 6.6 "
Baptists .....	2,051	6.0	" 16.6 "
Lutherans .....	824	2.4	" 41.5 "
Congregationalists .....	328	1.0	" 104.3 "
Mennonites .....	205	.6	" 166.9 "
Evangelical Association .....	194	.6	" 176.3 "
Quakers .....	27	.1	" 1,267.2 "
Other denominations .....	920	2.7	" 37.2 "
No denominations given .....	353	1.0	" 97.0 "
Total .....	34,214	100.0	

TABLE 9.

Showing the Death rate per 1,000 of Population in each County of the Province for ten years.

Counties.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	Average rate per County for ten years.
Algoma .....							15.9	14.0	16.0	23.7	.....
Brant .....	10.5	11.4	11.3	10.4	12.1	12.3	12.2	11.2	12.9	10.9	11.5
Bruce .....	8.3	8.3	8.3	8.7	7.9	9.7	9.7	8.6	10.1	10.0	8.9
Carleton .....	8.9	13.6	15.5	16.9	17.7	17.9	20.3	19.8	19.9	20.5	17.1
Dufferin .....	10.8	9.6	8.9	7.3	7.9	8.0	8.4	9.6	10.2	10.5	9.1
Elgin .....	9.2	9.1	9.9	8.5	10.2	10.1	11.0	10.2	10.4	10.3	9.9
Essex .....	12.0	12.2	11.9	11.6	12.0	12.6	12.9	12.3	13.2	12.3	12.3
Frontenac .....	13.7	14.5	12.4	11.1	11.2	13.3	13.8	13.9	12.8	13.6	13.0
Grey .....	7.4	7.7	7.7	7.8	8.1	9.7	9.5	9.8	9.7	9.9	8.7
Haldimand .....	8.2	10.3	6.6	9.5	8.4	7.7	10.5	9.8	10.2	9.8	9.1
Halton .....	9.3	9.9	9.0	8.7	8.9	9.2	9.2	9.4	10.7	11.3	9.5
Haliburton .....	8.0	9.2	8.6	8.2	10.7	12.4	11.2	9.5	10.3	9.0	9.7
Hastings .....	8.3	8.9	9.0	7.9	9.2	11.2	11.4	10.8	11.1	11.6	9.9
Huron .....	8.2	8.5	9.1	7.4	7.7	8.3	10.5	9.2	10.5	9.9	8.9
Kent .....	8.4	8.7	8.7	9.3	9.2	9.8	11.7	11.6	12.1	11.6	10.1
Lambton .....	8.1	8.4	9.1	8.0	7.6	8.6	10.8	9.7	12.3	11.7	9.4
Leamington .....	6.6	7.4	7.6	8.9	6.9	10.2	11.8	11.4	11.3	11.6	9.3
Leeds and Grenville .....	7.1	7.2	8.2	6.5	7.3	10.9	12.5	12.6	12.6	12.1	9.7
Lennox and Addington .....	10.1	7.7	7.0	10.2	6.8	9.4	12.6	11.3	11.9	10.6	9.7
Lincoln .....	10.9	14.3	11.4	13.0	13.1	12.2	14.4	12.5	13.4	14.0	12.9
Middlesex .....	8.9	10.9	10.1	10.0	9.6	8.7	10.7	10.0	10.9	10.4	10.0
Muskoka .....							11.4	11.0	13.0	14.7	.....
Norfolk .....	8.5	9.5	8.2	8.1	9.2	9.4	12.1	10.4	11.8	11.9	9.9
Northumberland and Durham .....	10.7	10.1	9.7	10.5	9.9	10.1	11.6	11.6	12.2	11.9	10.7
Nipissing .....							23.5	20.5	26.6	33.7	.....
Ontario .....	9.8	11.0	10.3	10.0	9.8	10.2	10.6	10.3	10.3	11.7	10.4
Oxford .....	9.7	11.4	10.9	10.9	10.3	11.3	11.8	11.5	12.8	12.9	11.3
Peel .....	7.7	7.5	7.9	7.8	7.1	9.4	9.1	9.2	10.8	9.6	8.6
Perth .....	8.9	9.1	8.1	8.9	9.0	8.8	9.5	10.8	9.5	10.4	9.3
Peterborough .....	11.1	12.1	10.8	12.6	10.4	11.2	12.0	12.7	13.3	12.4	11.7
Prescott and Russell .....	10.6	12.9	11.7	14.9	11.7	13.1	16.9	13.6	15.3	16.1	13.7
Prince Edward .....	11.1	11.5	11.6	12.8	9.7	13.8	12.4	11.0	12.1	12.0	11.8
Parry Sound .....							14.7	13.6	16.3	19.2	.....
Rainy River .....							33.1	26.1	33.8	45.6	.....
Renfrew .....	7.7	9.5	9.6	10.6	9.9	12.2	13.0	9.9	10.3	11.3	10.4
Simcoe .....	8.1	8.1	8.2	9.3	7.4	10.7	11.7	11.3	12.1	13.0	10.0
Stormont, Dundas and Glengarry .....	8.5	8.9	8.8	7.3	7.8	9.0	12.7	11.3	11.9	10.9	9.7
Thunder Bay .....							20.4	16.4	21.7	30.2	.....
Victoria .....	9.9	10.9	10.0	9.7	9.0	9.8	10.8	10.8	10.4	11.7	10.3
Waterloo .....	11.6	10.5	9.9	9.9	10.1	10.1	10.9	10.2	11.2	12.0	10.6
Welland .....	12.4	10.5	11.1	9.5	11.0	12.1	14.4	12.9	13.1	11.8	11.9
Wellington .....	10.1	10.6	9.8	10.3	9.5	9.5	9.9	9.3	10.9	10.6	10.0
Wentworth .....	13.2	11.7	13.1	12.5	12.7	13.2	12.1	13.0	12.8	13.0	12.7
York .....	15.9	16.4	16.1	13.1	13.2	12.4	12.9	11.8	13.5	14.5	14.0
Average rate .....	10.2	10.7	10.6	10.3	10.1	10.9	12.2	11.5	12.4	12.6	11.1

Owing to the changing of territorial boundaries in Algoma, Nipissing, Muskoka and Parry Sound they have been inserted in this table for 1897, 1898, 1899 and 1900 only.



TABLE 10.

## Recapitulation by Classes of Diseases by Counties in 1900.—(Including Cities and Towns.)

Causes of Death.	Sex.	Nativity.		Social condition	Ages.										so and over.	Months.												Totals.													
		Male.	Female.		Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	Under 5.				5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.														
												0-1.	1.	2.															3.	4.											
I. Communicable (Epidemic) diseases.		1177	1075	31968	245	42	1688	492	125	307	166	181	128	122	309	108	130	147	79	71	79	52	44	80	71	106	58	17	181	142	212	219	166	111	133	126	179	274	251	261	2255
II. Other general diseases.		2521	3037	14219	1225	115	2318	2631	590	408	81	58	37	24	94	131	390	599	514	382	352	336	331	606	716	350	117	34	461	401	496	493	507	467	486	470	467	436	419	456	5559
III. Diseases of nervous system and organs of sense.		1876	1721	2106	1123	65	1081	1598	318	791	186	102	45	38	78	65	62	65	62	58	78	89	94	301	590	580	321	22	257	285	348	331	325	269	290	345	300	282	282	285	3697
IV. Diseases of circulatory system.		1014	990	11179	779	46	418	1343	243	9	5	7	3	41	67	58	49	69	76	95	95	112	291	594	348	123	15	187	171	193	173	186	167	149	125	156	149	174	164	2004	
V. Diseases of the respiratory system.		1601	1394	9022	919	54	1424	1303	258	643	190	134	44	28	75	35	67	88	64	73	86	89	90	194	376	437	266	16	209	353	397	455	370	186	124	67	120	160	192	272	2905
VI. Diseases of the digestive system.		1825	1599	12805	578	42	2319	961	145	1701	55	61	29	23	77	61	80	71	64	76	66	83	165	176	287	258	139	13	198	130	170	152	141	188	349	704	718	434	173	138	3425
VII. Diseases of the genito-urinary system.		593	536	1525	390	15	184	615	131	7	4	5	2	5	15	11	19	36	45	31	51	41	48	111	170	229	99	6	79	75	92	86	74	72	68	85	72	77	84	920	
VIII. Puerperal diseases.		248	224	23	1	12	231	5																															248		
IX. Diseases of the skin and cellular tissue.		43	34	48	25	4	41	30	6	23																													77		
X. Diseases of the locomotor system.		10	13	17	6	15	7	1																															23		
XI. Malformations, diseases of infancy, diseases of old age.		3457	2991	61	4165	2270	74	3567	2530	403	3257	23	15	3																										6569	
XII. Suicide.		22	3	19	6	15	9	1																																25	
XIII. Accidents.		839	263	735	249	58	569	376	157	14	22	31	19	16	66	54	87	104	91	76	66	53	49	71	82	76	49	16	72	71	67	77	73	100	117	112	100	90	74	89	1042
XIV. Ill-defined causes.		387	418	542	225	38	292	421	92	3	24	32	10	19	42	27	32	41	31	30	48	39	43	96	140	96	47	11	61	58	82	75	51	65	77	64	58	64	75	805	
Total		15465	13962	20877	8063	554	14443	12576	2475	7163	758	627	324	280	803	563	941	1257	1083	932	976	898	921	1931	2949	3825	3099	164	2312	2733	2704	2481	2131	2310	2688	2784	2523	2361	29494		

TABLE No. 11.  
Recapitulation by Classes of Diseases by Cities, 1900.

Cause of Death.	Sex.		Nativity.		Social condition.		Ages.												Months.												Totals.										
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	Under 5.												80 and over.	January.	February.	March.	April.	May.	June.	July.	August.		September.	October.	November.	December.						
										0-1	1-2	3-4	5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.															50-59.	60-69.	70-79.			
I. Communicable (Epidemic) diseases . . . . .	317	321	558	70	10	567	94	37	65	66	61	54	55	114	22	37	21	17	15	9	14	17	17	16	6	4	51	29	60	67	48	34	39	38	65	64	75	68	638		
II. Other general diseases . . . . .	865	783	1171	447	30	698	638	312	194	33	17	19	12	28	25	109	130	115	99	101	103	101	189	84	24	10	136	106	124	150	145	148	137	162	143	129	129	145	1648		
III. Diseases of nervous system and organs of sense . . . . .	567	481	671	366	11	487	392	169	278	51	18	12	15	19	16	23	20	9	15	19	25	31	94	176	142	76	9	72	75	100	91	105	74	100	99	75	71	96	96	1048	
IV. Diseases of circulatory system . . . . .	293	278	276	270	19	122	336	119	1	2	3	2	17	23	19	18	24	24	24	30	100	138	77	28	9	38	50	51	50	54	60	38	41	36	34	54	45	571			
V. Diseases of the respiratory system . . . . .	463	416	572	297	10	461	284	134	219	69	37	11	9	25	11	11	25	18	14	24	31	29	65	103	115	66	6	78	90	109	153	133	61	39	21	27	34	58	76	879	
VI. Diseases of the digestive system . . . . .	300	460	1788	163	10	679	219	63	572	10	11	6	3	13	17	12	21	22	19	18	25	32	51	53	48	26	6	31	40	52	40	58	176	242	133	80	87	32	961		
VII. Diseases of the genito-urinary system . . . . .	165	106	129	137	5	46	101	64	5	1	3	1	4	3	14	11	8	14	16	40	54	40	34	63	14	3	19	21	26	27	20	20	28	18	31	24	21	16	271		
VIII. Puerperal diseases . . . . .	42	82	10	8	14	9	10	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
IX. Diseases of the skin and cellular tissue . . . . .	11	11	8	14	9	10	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
X. Diseases of the locomotor system . . . . .	2	7	6	3	1	7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
XI. Malformations, diseases of infancy, diseases of old age . . . . .	784	724	37	1113	422	11036	352	158	930	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
XII. Suicide . . . . .	15	5	10	8	2	9	9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
XIII. Accidents . . . . .	296	60	186	71	9	117	89	60	4	5	4	7	15	15	17	35	21	18	18	11	14	26	13	17	14	6	21	20	19	21	14	25	22	33	26	23	24	18	206		
XIV. Ill-defined causes . . . . .	67	8	79	62	9	42	75	33	2	3	2	3	3	1	4	7	8	13	14	6	11	24	30	11	1	4	10	7	12	20	18	9	8	18	13	9	13	13	150		
Totals . . . . .	4255	3778	5599	2346	126	4225	2688	1158	2338	241	157	108	107	243	142	234	347	292	239	265	265	269	610	779	793	585	609	559	726	780	727	596	723	824	667	584	631	645	8071		





TABLE

## TOTAL DEATHS BY INDIVIDUAL

	Algoma.	Brant.	Bruce.	Carleton.	Dufferin.	Elgin.	Essex.	Frontenac.	Grey.	Haldimand.	Halton.	Haliburton.	Hastings.	Huron.	Kent.	Lambton.	Lanark.	Leeds & Grenville.	Lennox & Addington.	Lincoln.
Communicable Diseases.																				
Typhoid Fever .....	38	21	15	28	8	7	25	5	15	5	12	2	10	20	20	20	6	9	1	11
Smallpox .....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	2	1	..	2	3	..	2	1	1	2	1	..	3	..	3	..	2	1	..	5
Scarlet Fever .....	2	1	2	15	2	7	5	14	2	1	..	..	..	2	3	1	5	2	..	2
Whooping cough .....	6	5	..	20	5	1	9	3	5	..	1	..	7	2	3	1	5	2	..	2
Diphtheria and croup .....	12	1	8	63	8	9	10	6	13	4	3	2	21	20	11	16	10	7	11	6
Influenza .....	17	4	11	27	1	6	5	2	13	1	3	2	8	10	6	7	9	7	3	3
Other epidemic diseases .....	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pyæmia and septicaemia .....	2	..	17	23	3	6	16	26	23	4	4	2	11	21	17	14	7	18	2	7
Malarial fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tuberculosis and scrofula .....	45	63	110	216	21	45	87	94	73	24	28	2	103	83	102	66	45	139	38	53
Syphilis .....	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..
Cancer .....	11	14	25	42	8	22	21	27	24	9	13	2	23	39	24	37	19	21	10	18
Rheumatism and gout .....	2	2	3	7	..	4	4	5	2	1	3	..	..	1	4	5	3	4	2	2
Diabetes .....	..	1	5	7	1	..	4	8	6	1	1	..	8	2	5	3	4	10	3	3
Other general diseases .....	4	2	1	4	..	..	..	..	2	..	..	..	..	..	..	..	..	..	2	1
Alcoholism, acute & ch'ic. .....	..	..	..	4	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Encephalitis .....	..	1	4	5	4	14	12	6	6	3	1	..	7	5	6	10	5	4	5	5
Simple meningitis .....	1	4	11	37	8	1	13	9	3	..	6	..	5	3	11	9	7	7	1	3
Epidemic cerebro-spinal meningitis .....	..	1	4	14	10	3	4	7	10	..	4	1	6	5	3	7	..	6	3	3
Congestion and hemorrhage of the brain .....	6	13	11	31	6	11	24	28	21	10	13	1	21	23	18	32	13	20	6	19
Softening of the brain .....	..	2	1	3	1	..	1	1	2	1	2	..	1	2	3	3	..	1	1	1
Paralysis without specified cause .....	9	11	16	40	12	38	23	35	16	13	7	..	31	22	35	24	14	41	11	20
Insanity .....	1	2	1	2	1	..	2	1	3	..	..	..	2	2	3	3	7	7	..	..
Epilepsy .....	1	..	2	4	1	1	6	3	1	..	..	1	2	7	2	1	3	9	1	..
Convulsions (n't puerperal) .....	10	8	19	95	1	12	6	10	13	5	12	2	18	15	16	16	5	9	1	11
Other nervous diseases .....	1	1	5	3	2	2	1	1	1	..	..	..	2	1	..	3	3	1	1	2
Pericarditis .....	..	2	1	2	..	1	2	..	..	..	..	..	1	1	..	4	..	1	..	..
Endocarditis .....	..	4	1	6	2	2	3	2	..	1	1	..	1	2	..	1	2	3	..	1
Organic Heart Diseases .....	15	19	32	59	12	27	30	31	38	10	9	3	29	28	27	34	18	38	8	23
Angina Pectoris .....	1	..	2	3	..	2	2	2	..	1	..	..	1	2	..	1	2	2	..	..
Diseases of the Arteries.	..	..	..	1	1	1	..	..	1	1	..	..	..	2	1	..	..	..	..	..
Atheroma, Aneurism, et' .....	1	..	..	1	1	1	..	..	1	1	..	..	..	2	1	..	..	..	..	..
Other Diseases of the Circulatory System .....	11	8	11	16	10	4	7	11	24	4	7	..	15	13	14	11	13	25	8	9
Acute Bronchitis .....	3	7	10	22	4	3	5	5	9	1	4	..	6	3	5	21	1	5	..	5
Chronic Bronchitis .....	2	2	8	16	2	2	4	5	10	2	4	2	9	8	8	7	6	3	2	13
Broncho-pneumonia .....	2	4	..	34	2	..	2	2	3	1	2	..	5	9	5	5	1	4	4	11
Pneumonia .....	9	14	47	112	22	26	41	34	29	15	13	3	68	36	37	38	43	42	20	14
Pleurisy .....	2	1	4	1	2	2	3	1	3	..	1	..	..	..	1	..	5	2	2	4
Cong't'n of the Lungs (includ'g pulmonary apop) .....	7	..	5	13	1	2	6	2	18	3	2	4	4	8	7	5	2	4	..	..
Asthma and Emphysema .....	1	1	2	10	..	2	2	2	1	..	..	1	2	6	2	4	4	7	2	..
Other Dis'eases of the Respiratory System .....	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	2	..	..	..
Ulcer of the Stomach .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Diseases of the Stomach (Cancer excepted) .....	..	11	8	7	4	6	4	4	21	4	2	2	8	7	4	6	15	11	8	5
Infantile Diarrhœa and Gastro-enteritis, (Cholera Infantum) .....	23	19	37	162	10	29	44	48	30	10	19	4	28	29	46	39	10	25	11	22
Diarrhœa and Enteritis (not infantile) .....	8	9	14	8	3	7	14	11	18	10	2	1	10	12	13	12	10	12	8	9
Dysentery .....	1	1	5	2	..	3	..	1	3	3	3	..	2	8	4	5	1	3	1	3
Hæmorrhoids and Intestinal obstructions .....	..	4	..	6	..	1	1	3	3	..	5	..	1	8	4	5	3	8	..	..

No. 13.

## DISEASES BY COUNTIES IN 1900.

Middlesex.	Muskoka.	Nipissing.	Norfolk.	Northum'd & Durh'm.	Ontario.	Oxford.	Parry Sound.	Peel.	Perth.	Peterborough.	Prescott & Russell.	Prince Edward.	Rainy River.	Renfrew.	Simcoe.	Stormont, D. & G.	Thunder Bay.	Victoria.	Waterloo.	Welland.	Wellington.	Wentworth.	York.	Totals.
20	5	13	14	24	29	34	10	3	10	10	12	5	13	13	25	18	4	8	25	11	18	22	58	682
1	1	13	1	1	1	1	6	1	1	1	2	1	17	1	2	1	1	1	3	7	4	13	39	11
6	2	1	1	3	1	5	1	1	6	1	4	1	3	4	6	3	5	10	10	7	3	24	170	143
1	3	10	8	13	11	7	15	3	1	3	3	2	3	7	14	1	3	2	6	4	1	13	185	170
16	9	16	8	13	11	21	8	4	10	4	53	2	13	8	12	29	3	4	18	4	4	25	204	738
19	7	6	6	7	12	8	6	3	2	6	21	7	7	6	13	11	5	5	6	1	4	1	22	324
22	3	8	10	22	10	18	3	5	9	10	11	5	1	10	45	9	6	8	5	6	15	16	77	558
1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	18
136	23	39	37	112	63	81	18	36	55	76	80	32	13	63	103	120	11	38	73	35	67	153	593	3,484
1	7	3	14	24	25	34	10	17	30	20	10	7	2	12	50	37	7	15	32	12	23	60	201	1,055
37	1	1	1	2	3	7	1	1	6	3	4	2	2	3	9	6	1	1	6	3	2	3	17	178
6	1	1	3	9	7	7	1	3	4	5	3	2	2	4	7	2	1	2	4	4	9	8	27	194
9	1	1	4	1	1	1	2	1	2	2	12	4	4	9	15	1	1	5	5	6	5	8	17	242
10	3	6	5	5	2	7	2	1	3	4	12	4	1	5	4	7	1	3	4	5	3	12	72	319
14	6	4	3	2	2	2	3	2	7	7	7	4	1	5	4	7	1	3	4	5	3	12	72	319
14	2	3	1	3	4	3	3	5	9	3	1	1	1	9	10	1	2	4	4	4	5	4	32	212
48	4	4	15	25	18	26	4	5	17	14	7	6	2	3	26	15	8	43	10	23	47	169	866	
2	1	2	2	2	4	4	3	3	3	2	2	4	1	1	2	1	1	1	1	1	2	10	65	65
50	13	2	19	30	11	42	1	8	20	13	15	9	1	15	24	33	2	10	23	27	35	32	109	962
2	1	1	3	3	1	1	2	3	1	1	1	1	1	2	11	1	1	1	1	4	14	16	75	75
10	1	3	2	1	2	1	2	1	2	1	4	1	2	2	11	1	2	2	1	1	7	9	107	107
21	5	8	5	18	8	18	15	8	12	10	11	5	7	19	23	16	15	13	21	2	12	22	103	681
5	1	1	6	1	2	1	1	1	1	4	1	1	1	3	1	1	1	2	2	1	1	9	68	68
2	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	27	27
53	1	11	18	28	32	29	13	8	24	21	26	8	4	14	43	30	7	16	21	20	35	66	226	1,249
1	1	1	5	1	1	1	1	1	5	1	1	1	1	1	1	1	3	1	2	2	5	10	36	36
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	36	36
31	2	2	7	16	12	13	2	9	14	7	9	12	7	24	17	17	1	3	13	7	12	20	53	531
13	6	4	3	7	3	6	4	9	10	5	4	1	1	8	24	8	7	9	12	4	8	20	71	368
8	3	2	15	5	4	2	4	4	11	5	4	1	1	7	8	5	1	3	2	4	7	14	61	291
62	18	19	17	46	30	35	27	4	24	23	31	14	5	20	48	64	12	7	6	2	2	14	85	264
2	1	1	3	4	1	1	1	1	3	1	1	1	1	1	1	1	1	2	2	2	2	63	252	1,568
14	3	2	5	3	4	7	2	2	8	2	25	1	1	23	12	9	10	10	4	7	10	21	277	
8	1	1	5	1	1	1	1	1	9	3	1	1	1	7	2	2	1	1	4	3	3	18	118	
14	4	4	12	10	2	1	1	5	4	1	1	1	5	5	8	1	3	3	4	5	6	30	265	
50	25	27	29	33	29	23	24	15	47	22	38	9	30	38	68	27	19	18	48	18	25	65	316	1,688
23	1	6	5	15	9	11	4	4	16	8	12	4	1	11	19	11	5	14	14	10	15	21	33	463
5	6	4	15	12	3	3	1	1	4	2	1	3	1	1	1	1	1	8	3	2	7	5	13	148
8	2	3	2	4	1	3	1	1	6	1	2	2	1	1	4	1	2	4	4	4	4	4	25	144

TABLE No. 13.  
TOTAL DEATHS BY INDIVIDUAL

		Algona.	Brant.	Bruce.	Carleton.	Dufferin.	Elgin.	Essex.	Frontenac.	Grey.	Haldimand.	Halton.	Haliburton.	Hastings.	Huron.	Kent.	Lambton.	Lanark.	Leeds & Grenville.	Lennox & Addington.	Lincoln.
Puerperal Diseases.	Oth'r Diseases of the Int'st	2	2	1								1		1	2		11		14	6	6
	Diseases of the Liver...		11	8	1	7	9		7	3		2	1	9	5	9	4	4	5	1	6
Diseases of Urinary System.	Peritonitis (n't puerperal)	4	5	6	11	1	3	8	6	6		3		6	9	4	7				
	Iliac abscess (typhlitis, peri-																				
Puerperal Diseases.	typhlitis, appendicitis.	2		3	5		3	1	2	2	4			4	7	2	4	3	5		2
	Acute Nephritis		4	2	7	2	1	3	3	3				3	1	1	3	1	1	1	
Diseases of Urinary System.	Bright's Disease	12	9	14	27	5	12	24	11	20	14	4		18	10	16	18	6	23	6	16
	Other Diseases of the Kid-																				
Puerperal Diseases.	neys and Adnexa					1		3	2	1	2		1	1		1	1	1			
	Vesical Calculi.		1	1					1	1		1				1	1	2			
Diseases of Urinary System.	Diseases of the Bladder.		4	6				2	3	3				3	1	2	6	2	3	2	3
	Diseases of the Male Gen-				1																
Puerperal Diseases.	ital Organs.																				
	Metritis.										1										
Diseases of Urinary System.	Oth'r Dis'es of the Uterus								1												
	Ovarian Cysts and other							1						1							
Puerperal Diseases.	Ovarian Tumors																				
	Other diseases of the Fe-				2																
Puerperal Diseases.	male Genital Organs.		1	5	6			3		2	3	2	1	2	5	3	2	4			3
	Puerperal Septicaemia.																				
Puerperal Diseases.	Puerperal Albuminuria	3	2		2	1	3	3		2		2				1	2	2		1	
	and Convulsions																				
Puerperal Diseases.	Other accidents of Preg-		1	7	5		1	4	3	3		1	1	2	3	7	5	1	2	2	
	nancy sudden death.																				
Puerperal Diseases.	Puerperal Disease of the																				
	Breast.			2	2		1	3	3	3	1			2	2	1	2	1	1		2
Dis. of Locotion. Skin.	Erysipelas																				
	Other Dis. of the Skin & its								1												
Dis. of Locotion. Skin.	Adnexa (Cancer except'd)											1									
	Pott's Disease.							2									1				1
Dis. of Locotion. Skin.	Dis's of Bones and Joints																				
	Amputation (for unspecif-																				
Dis. of Locotion. Skin.	ied disease).	12	21	17	86	6	11	40	15	17	2	10	2	14	26	24	20	14	8	1	11
	Still-Births																				
Dis. of Locotion. Skin.	Congenital Debility and	52	29	40	187	14	22	79	38	58	13	8	4	39	46	62	43	33	54	13	30
	Malformations				4		1	1		2				1		1		2			
Dis. of Locotion. Skin.	Other Diseases of Infancy	30	69	100	127	28	74	65	98	133	40	35	3	94	107	78	77	83	115	56	48
	Senile decay				1		3		1	1	1	1		3				1			1
Dis. of Locotion. Skin.	Poison.																				
	Strangulation					1		1	1		1	1			1			1			
Dis. of Locotion. Skin.	Gas Poisoning																				
	Drowning									1											
Dis. of Locotion. Skin.	Firearms.				1	1				2											
	Fractures & Dislocations	23	10	13	31	7	3	5	11	9	4	2	3	14	16	12	2	8	10	5	12
Dis. of Locotion. Skin.	Gunshot						1	1		2					2		1	1			
	Lightning.										1										
Dis. of Locotion. Skin.	Drowning	8	1	6	11		3	14	7	3	3	1	2	5	1	10	8	5	2	2	9
	Electric Cars		1																		
Dis. of Locotion. Skin.	Bicycles																				
	Railways	4	2	1	7	1	5	3	4	2		3				4	3	2	3	2	
Dis. of Locotion. Skin.	Burns and Scalds		2	2	9		1	2	3	2	1		1	4		2	3		2	1	2
	Homicide																				
Dis. of Locotion. Skin.	Dropsy	3	1	3	4	4	8	5	7	9	3	3	7	3	6	7	2	13	5	2	
	Tumors	3	4	6	10	2	6	5	10	8	5	3	1	6	8	8	2	7	12	3	3
Dis. of Locotion. Skin.	Other Ill-Defined Causes	19	1		9	1	12	10	6	7	1	5	1	15		7	3	4	9		2
	Frost Bite.	1		3						1											
Dis. of Locotion. Skin.	Lockjaw		1		1		1			1				1					1		
	Accidental Poisoning				1				2			1				1					
Dis. of Locotion. Skin.	Accidental Strangulation				1										1	1					
	Suffocation by Gas																				
Dis. of Locotion. Skin.	Murder																				
	Anthrax																				
Dis. of Locotion. Skin.	Hanged																				
Totals		432	435	708	1,745	257	492	749	705	774	251	272	63	747	726	748	706	482	809	287	461



DISEASES BY COUNTIES IN 1900.

Middlesex.	Muskoka.	Nipissing.	Norfolk.	Northum'd & Durh'm.	Ontario.	Oxford.	Parry Sound.	Peel.	Perth.	Peterborough.	Prescott & Russell.	Prince Edward.	Rainy River.	Renfrew.	Simcoe.	Stormont, D. & G.	Thunder Bay.	Victoria.	Waterloo.	Welland.	Wellington.	Wentworth.	York.	Totals.	
1 15 4	1 5 3	1 5 5	1 5 5	2 6 6	1 5 3	6 9 3	1 3 5	1 3 4	2 6 3	1 4 3	1 1 4	1 1 4	2 2 3	4 4 3	11 9 6	5 1 6	1 5 8	1 5 3	1 7 3	11 11 3	4 5 3	6 13 3	14 27 60	41 261 247	
9 1 1 29	1 6 3	1 3 9	4 24 10	7 4 10	1 3 7	8 1 7	6 4 6	2 6 14	3 13 3	2 13 3	4 7 3	1 1 3	2 3 13	4 13 13	6 2 26	9 1 23	1 2 2	1 2 3	5 2 21	1 1 11	6 1 26	6 5 32	23 18 96	160 77 656	
2 6	3	..	1 7	2 2 7	2 2 6	..	..	..	1 3	..	1 1	..	..	2 3	1 3	1 4	..	4 ..	..	2 4	1 2 5	..	5 5	5 4 14	34 27 120
..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	4	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	1	
1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	
1	1	1	4	5	3	2	1	2	..	..	4	..	..	3	1	3	..	1	..	2	4	1	7	3 87	
1	..	2	..	2	2	1	..	1	..	1	1	..	..	1	2	..	1	2	..	1	1	4	47	..	
2	3	6	3	2	1	1	4	..	1	3	6	3	..	4	2	7	..	1	2	..	3	2	9	113	
4	..	1	1	3	4	1	..	1	2	2	1	1	..	..	4	2	..	1	2	1	1	3	1 14	75	
..	..	..	..	1	..	..	..	..	1	1	1	..	..	..	..	1	..	1	..	..	..	..	1 5	2 11 10	
32	7	15	15	21	23	30	9	3	15	19	14	4	4	9	29	12	7	19	11	13	18	51	215	2 951	
71	17	94	12	46	33	52	30	13	40	33	161	20	23	61	88	68	21	30	48	23	50	77	328	2,306	
157	3	11	51	130	74	72	15	40	59	49	76	48	3	74	107	123	2	62	63	54	87	86	295	40 3,212	
..	..	..	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	10	16	
1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	6	
16	3	17	10	15	6	16	4	2	10	8	6	1	11	13	15	12	11	8	8	7	14	17	55	10 485	
1	1	..	2	2	..	..	1	..	2	1	2	..	2	2	1	1	..	1	1	..	..	5	25	17	
3	14	8	2	3	2	4	10	1	2	8	6	2	10	5	3	11	6	7	2	3	4	5	26	246	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	2	2	2	5	
7	1	7	1	3	3	2	..	5	..	2	..	..	2	2	7	..	..	1	..	4	5	..	..	1	
2	1	2	2	3	5	3	1	..	1	1	1	..	1	..	7	1	2	1	2	1	..	5	19	126 92	
13	2	3	7	18	1	6	3	2	5	1	7	2	2	7	6	9	..	7	1	13	8	6	15	239	
10	4	..	3	5	3	8	7	2	6	4	1	2	..	6	9	7	..	1	6	3	2	5	33	236	
7	2	32	1	6	3	3	3	2	5	1	24	..	3	16	22	12	..	5	6	2	7	5	19	303	
..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	7	..	
1	..	..	1	1	1	..	..	1	..	1	..	..	..	1	..	..	1	..	..	..	1	..	11	..	
3	..	1	..	4	2	..	2	..	2	..	..	2	..	..	..	..	1	..	..	1	3	5	31	..	
6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	11	..	
1	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	2	5	..	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	1	..	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	
169	258	533	387	870	582	707	310	261	590	479	747	249	210	572	1,021	835	180	423	664	408	695	1,126	4,459	29,494	

TABLE No. 14.  
Total Deaths by Individual Diseases in Cities in 1900.

General Diseases.	Toronto.	Hamilton.	Ottawa.	London.	Kingston.	Brantford.	St. Thomas.	Guelph.	St. Catharines.	Belleville.	Stratford.	Windsor.	Chatham.	Woodstock.	Totals.
I.—COMMUNICABLE (EPIDEMIC) DISEASES.															
1. Typhoid Fever	42	16	23	10	4	13	1	5	9	4	5	8	2	13	155
2. Smallpox	37	9	3			1			3						53
3. Measles	23	3	12	3	8	1	6	2		4	3	3		1	69
4. Scarlet Fever	10	1	18		2	1		1				1	1	1	36
5. Whooping Cough	179	21	45	9	2	1	1	1	3	3	1	2	2	9	279
6. Diphtheria and Croup	19		15	2	1	1	1	1		2	1	2			45
7. Influenza	1														1
8. Other Epidemic Diseases															
II.—OTHER GENERAL DISEASES.															
1. Pyæmia and Septicæmia	62	10	11	8	15	2	1	5	2			5	8	3	132
2. Malarial Fever	1			1						1					3
3. Tuberculosis and Scrofula	497	103	142	67	58	40	11	20	27	28	18	29	18	18	1,081
4. Syphilis	5	1		1	1										8
5. Cancer	171	43	32	17	15	5	5	7	7	5	4	3	3	12	322
6. Rheumatism and Gout	13	1	2	1	1	2			1	1	1			1	24
7. Diabetes	16	6	4	3	3			2	1	3	3	3	1	2	47
8. Other General Diseases	2	4	3					1	1						11
9. Alcoholism, Acute and Chronic	5	1	4				1				2				13
LOCAL DISEASES.															
III.—DISEASES OF NERVOUS SYSTEM AND ORGANS OF SENSE.															
1. Encephalitis	10	5	4	8	4		7		2	1	1	1		3	46
2. Simple Meningitis	64	7	29	6	5	1					2	4	1	1	120
3. Epidemic Cerebro-Spinal Meningitis	21	2	13	8	7		2	1		1	2	1	1	1	60
4. Congestion and Hemorrhage of the Brain	139	34	25	19	13	4	2	9	5	10	1	8		5	274
5. Softening of the Brain	8	2	2		1				1		1	1	1	1	18
6. Paralysis without specified cause.	92	18	25	21	18	4	14	3	7	10	3	10	13	11	249
7. Insanity	8		1			1		3							13
8. Epilepsy	7	2	3	2			1	1				1			17
9. Convulsions (not puerperal)	74	18	88	11	7	7	5	5	7	5	2	2	1	3	235
10. Other Nervous Diseases	7		3	3				1						2	16
IV.—DISEASES OF CIRCULATORY SYSTEM.															
1. Pericarditis	2		2	1		1				1		1	1		9
2. Endocarditis	17	1	5	1	2	1			1			1		1	31
3. Organic Heart Disease	178	49	41	25	21	3	8	13	12	15	2	9	9	5	390
4. Angina Pectoris	9	4	3	1	1		2	1			1				22
5. Diseases of the Arteries, Atheroma, Aneurism, etc.	12	1		1	1								1		16
6. Other Diseases of the Circulatory System	43	14	12	5	4	4	3		1	4	7	2	2	2	103
V.—DISEASES OF THE RESPIRATORY SYSTEM.															
1. Acute Bronchitis	58	18	14	8	6	2	1	3	2		1	2		2	117
2. Chronic Bronchitis	52	11	13	1	3		1	1	5	1	1	1	2		92
3. Broncho-pneumonia	79	14	27	5		2		2	5	2	1	1	1	1	140
4. Pneumonia	200	43	84	40	16	10	10	6	5	10	5	9	7	5	450
5. Pleurisy	8	3	1		1										13
6. Congestion of the Lungs (including pulmonary apoplexy)	12	7	7	5	1	1		2		1	2	1		2	41
7. Asthma and Emphysema	15		7			1	1				1		1		26
8. Other Diseases of the Respiratory System															
VI.—DISEASES OF THE DIGESTIVE SYSTEM.															
1. Ulcer of the Stomach		1						1							2
2. Other Diseases of the Stomach (cancer excepted)	21	4	2	5	1	1	1	1	1	1	1				39
3. Infantile Diarrhoea and Gastro-enteritis ("Cholera Infantum")	259	47	133	22	28	13	8	7	10	15	12	8	3	5	570
4. Diarrhoea and Enteritis (not infantile)	26	16	6	7	5	1	2		2	3	1	4	6		79
5. Dysentery	7	2	2	1	1	1		2	1	1	1		1		20
6. Hernia and Intestinal obstructions	21	6	6	2	2	2			1			1	1	1	44
7. Other diseases of the Intestines	13		1			1									16
8. Diseases of the Liver	21	7	8	6	3		2		4	4		2	4		61

TABLE No 14.—Concluded.

General Diseases.	Toronto.	Hamilton.	Ottawa.	London.	Kingston.	Brantford.	St. Thomas.	Guelph.	St. Catharines.	Belleville.	Stratford.	Windsor.	Chatham.	Woodstock.	Totals.
9. Peritonitis (not puerperal) .....	54	12	10	1	4	3	2	....	1	2	....	3	1	1	94
10. Iliac abscess (typhlitis, perityphlitis, appendicitis) .....	17	4	2	3	....	....	2	....	....	1	1	....	....	6	36
VII.—GENITO-URINARY SYSTEM.															
1. Acute Nephritis .....	17	4	4	1	1	3	....	1	....	1	....	2	....	....	34
2. Bright's Disease .....	79	23	21	16	3	6	3	7	6	6	1	7	4	....	182
3. Other diseases of the Kidneys and Adnexa .....	4	....	....	....	1	....	....	....	....	1	....	1	1	....	8
4. Vesical Calculi .....	4	....	....	1	1	1	....	....	....	....	....	....	1	....	8
5. Diseases of the Bladder .....	9	2	5	2	3	1	....	3	1	1	....	....	1	2	30
6. Diseases of the male Genital Organs .....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1
7. Metritis .....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
8. Other diseases of the Uterus .....	....	....	....	1	1	....	....	2	....	....	....	....	....	....	4
9. Ovarian Cysts and other Ovarian Tumors .....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1
10. Other diseases of the female Genital Organs .....	....	....	2	....	1	....	....	....	....	....	....	....	....	....	3
VIII.—PUERPERAL DISEASES.															
1. Puerperal Septicæmia .....	7	....	7	1	....	3	....	....	....	1	....	....	....	1	20
2. Puerperal Albuminuria and Convulsions .....	3	1	1	....	....	....	....	....	....	....	....	....	....	....	5
3. Other accidents of Pregnancy sudden death .....	8	2	2	....	2	....	....	1	....	....	....	....	1	....	16
4. Puerperal Disease of the Breast .....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1
IX.—SKIN AND CELLULAR TISSUE.															
1. Erysipelas .....	12	1	1	2	....	....	....	1	1	1	....	3	....	....	22
2. Other diseases of the Skin and its Adnexa (Cancer excepted) .....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
X.—DISEASES OF THE LOCOMOTOR SYSTEM.															
1. Pott's Disease .....	1	....	....	....	....	....	....	....	1	....	....	1	....	....	3
2. Disease of Bones and Joints .....	4	....	....	....	....	....	....	....	....	....	....	....	....	....	4
3. Amputation (for unspecified disease) .....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	2
XI.—MALFORMATIONS, DISEASES OF INFANCY, DISEASES OF OLD AGE.															
1. Still-Births .....	184	46	68	18	9	16	6	9	5	3	6	11	6	7	394
2. Congenital Debility and Malformations .....	258	60	135	38	20	20	5	12	13	9	5	14	5	7	601
3. Other diseases of Infancy .....	3	1	....	....	....	....	....	....	....	....	1	....	....	....	5
4. Senile decay .....	202	52	67	52	46	25	11	15	11	22	12	12	8	11	546
XII.—SUICIDE.															
1. Poison .....	10	....	....	....	....	....	1	....	....	1	....	....	....	....	12
2. Strangulation .....	1	....	....	....	....	....	....	....	1	....	....	1	....	....	3
3. Gas Poisoning .....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	1
4. Drowning .....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
5. Firearms .....	3	....	1	....	....	....	....	....	....	....	....	....	....	....	4
XIII.—ACCIDENTS.															
1. Fractures and Dislocations .....	38	14	18	6	5	8	1	4	9	3	3	2	5	3	119
2. Gunshot .....	4	....	....	1	....	....	....	....	....	....	....	....	....	....	5
3. Lightning .....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1
4. Drowning .....	22	2	10	....	5	....	1	3	7	2	1	2	3	1	59
5. Electric Cars .....	1	1	1	....	1	1	....	....	....	....	....	....	....	....	5
6. Bicycles .....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
7. Railways .....	10	4	5	4	2	2	2	1	....	5	....	....	....	1	36
8. Burns and Scalds .....	14	4	5	....	....	1	....	....	....	....	1	....	....	2	27
9. Homicide .....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
10. Poison .....	4	1	1	3	3	....	....	....	....	1	....	....	....	....	13
XIV.—ILL-DEFINED CAUSES.															
1. Dropsy .....	11	5	4	6	1	1	1	....	....	....	3	....	....	3	37
2. Tumors .....	28	4	5	6	8	2	1	1	....	....	....	2	4	3	64
3. Other Ill-defined causes .....	15	4	6	3	....	....	2	1	1	4	5	2	....	....	43
4. Lockjaw .....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	2
5. Gas Poisoning .....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	2
6. Hanged .....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1
7. Anthrax .....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1
8. Strangulation .....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1
Totals .....	3,602	808	1,262	504	378	221	136	170	183	200	125	190	133	159	8,071





TABLE 15.—Continued.  
Total Deaths by Individual Diseases by Towns in 1900.

## General Diseases.

	Berlin.	Brockville.	Cornwall.	Lindsay.	Niagara Falls.	Owen Sound.	Peterborough.	Rat Portage.	Sarnia.	Sault Ste. Marie.	Toronto Junction.	Total.
<b>VI. DISEASES OF THE DIGESTIVE SYSTEM.—Continued.</b>												
7. Other Diseases of the Intestines . . . . .							1					1
8. Diseases of the Liver . . . . .	1	2	1	2		2			3			11
9. Peritonitis (not puerperal) . . . . .		1	3	2	1	2			2		3	14
10. Iliac abscess (typhlitis, perityphlitis, appendicitis) . . . . .		2	2			1	1	1	1	1		9
<b>VII. DISEASES OF THE GENITO-URINARY SYSTEM.</b>												
1. Acute Nephritis . . . . .		1	1								1	3
2. Bright's Disease . . . . .	4	4	3		2	4	7	3	1	3	2	33
3. Other Diseases of the Kidneys and Adnexa . . . . .												
4. Vesical Calculi . . . . .	1											1
5. Diseases of the Bladder . . . . .				2		1	1		2			6
6. Diseases of the male Genital Organs . . . . .												
7. Metritis . . . . .												
8. Other Diseases of the Uterus . . . . .												
9. Ovarian Cysts and other Ovarian Tumors . . . . .												
10. Other Diseases of the Female Genital Organs . . . . .												
<b>VIII. PUERPERAL DISEASES.</b>												
1. Puerperal Septicaemia . . . . .												
2. Puerperal Albuminuria and Convulsions . . . . .						1						1
3. Other accidents of Pregnancy sudden death . . . . .	1								1			2
4. Puerperal Disease of the Breast . . . . .												
<b>IX. DISEASES OF THE SKIN AND CELLULAR TISSUE.</b>												
1. Erysipelas . . . . .	1						2					3
2. Other Diseases of the Skin and its Adnexa (Cancer excepted) . . . . .												
<b>X. DISEASES OF THE LOCOMOTOR SYSTEM.</b>												
1. Pott's Disease . . . . .												
2. Diseases of Bones and Joints . . . . .												
3. Amputation (for unspecified Disease) . . . . .												
<b>XI. MALFORMATIONS, DISEASES OF INFANCY, DISEASES OF OLD AGE.</b>												
1. Still-Births . . . . .	3	4	2	6	7	3	10	2	5	2	11	55
2. Congenital Debility and Malformations . . . . .	13	15	8	4		5	8	16	5	8	11	93
3. Other Diseases of Infancy . . . . .												
4. Senile Decay . . . . .	6	20	15	11	4	20	9	2	16	1	3	107
<b>XII. SUICIDE.</b>												
1. Poison . . . . .							1	1				2
2. Strangulation . . . . .												
3. Gas Poisoning . . . . .												
4. Drowning . . . . .												
5. Firearms . . . . .												
<b>XIII. ACCIDENTS.</b>												
1. Fractures and Dislocations . . . . .	1	3		5	3	2	2	5	1	2	4	28
2. Gunshot . . . . .												
3. Lightning . . . . .												
4. Drowning . . . . .		1	2	1	1	1	2	4	3	1	1	17
5. Electric Cars . . . . .											1	1
6. Bicycles . . . . .												
7. Railways . . . . .	2	3						4	1	2	1	13
8. Burns and Scalds . . . . .		1						1				2
9. Homicide . . . . .								1				1
<b>XIV. ILL-DEFINED CAUSES.</b>												
1. Dropsy . . . . .		3		1	1				2			7
2. Tumors . . . . .	1	4	1			1						7
3. Other Ill-Defined Causes . . . . .	1	1	1	1	1			1		1		7
4. Frostbite . . . . .								2				2
Total . . . . .	145	161	127	111	55	128	175	118	116	82	94	1,312

TABLE 16.

Giving the population of Ontario by municipalities in the census years of 1891 and 1901 and the municipal census for 1891 and 1900.

The municipal census for 1900 has been supplied through the courtesy of the Bureau of Industries from the advanced sheets of its Report for 1900 and the census of 1901 through an early copy by the kindness of the Census Commissioner.

## Algoma.

	Population as per census, 1891.	Population as per assess't. 1891.	Population as per census, 1901.	Population as per assess't. 1900.		Population as per census, 1891.	Population as per assess't. 1891.	Population as per census, 1901.	Population as per assess't. 1900.
Aberdeen .....			135		Michipicoten River Vil. and Wana City Vil .....			195	
Algoma Mills .....	750		127		Michipicoten Harbor, Helen Mine and Talbot Lake .....			651	
Assignack and I. R. ....	818		1,165		Missinabie Station .....			430	
Aird Island .....			122		Meldrum Bay .....			167	
Barrie Island .....	209		268		Mills Tp. ....			269	
Billings and I. R. ....	635		751		May, Salter, Tennyson, Gough, Harrow, Mc- Kinnon and I. R. ....			1,394	
Burpee .....	186		285		Nairn, Lorne, Hyman & Unorganized Ter .....			1,947	
Batchewana Bay and Vil.			175		Plummer, Lefroy, and North West Point .....			1,390	
Bright & Bright addition			162		Parkinson (including pop. of Grasset and Mont- gomery Tps .....			258	
Balfour and Chelmsford.			162		Patten .....			114	
Biscotasing Vil .....			100		Prince .....			207	
Bruce Mines .....	750				Pic-nic Island .....			68	
(pop. inc. with Plummer)					Rydal, Bank and Ross ..			525	
Coffin .....			300		Robinson .....			518	
Chapleau Vil .....			750		Rayside, Lumsden and Morgan .....			835	
Campbell .....	547		699		St. Joseph Island .....	367		1,137	
Carnarvon .....	500		757		Sault Ste. Marie Town..	2,414		7,169	
Cockburn Island .....	240		301		Sault Ste. Marie Tp., in- cludes Korah Tp .....			1,417	
Cartier Tp and Vil .....	755		125		Striker, Cobden & Blind River .....			666	
Collins Inlet, Carlisle and Humbert .....			163		Sheguiandah Tp. and I.R.	423		73	
Cook's Mills .....			241		Sandfield .....	281		283	
Cutler's Mills .....			305		Snyder, Waters and I.R.			687	
Day Tp .....	834		285		Spanish Vil. & Sheldon Tp			151	
Desert Lake .....			656		Tarbutt, Johnston, etc. .			368	
Drury, Denison and Graham .....			807		Thessalon Vil .....			1,205	
Fenwick .....			1,055		Thessalon Tp .....			606	
Galbraith .....			221		Thompson .....			189	
Garden River .....	606		686		Tehkummah .....	405		521	
Gladstone .....			256		Wells, Houghton and Gould .....			160	
Gordon .....	455		761		Walford Vil. & Victoria Tp	1,191		335	
Gore Bay .....	472		723		Wikwemikong I.R .....			1,354	
Gertrude Mine .....			94		Unorganized Berths Nos. 118, 123, 124, 125, 130, 131, 132, 133 and 139 ..			113	
Geneva Lake, Levack, Dowling, Fairbank, Trill, Cascading and Hart .....			230		Unorganized Territory— Mississauga head waters and I. R. ....			465	
Grasset & Montgomery (pop. inc. in Parkinson)					Total population ....	41,856		44,116	
Hilton .....			407						
Howland, etc .....	1,250		1,217						
Hallam, Baldwin, Merritt and Shakespeare .....	702		665						
Jocelyn .....			452						
John Island .....			148						
Killarney & Rutherford.	501		288						
Kirkwood .....	185		161						
Little Current .....			728						
Laird and Bar River .....			436						
Macdonald and Meredith			518						

## Brant

Brantford Tp .....	6,954	6,354	5,757	5,342	Paris Town .....	3,094	3,007	3,229	3,311
Burford Tp .....	4,969	4,540	4,512	4,266	Brantford City .....	12,753	15,451	16,619	16,215
Dumfries, South, Tp .....	3,137	2,832	2,922	2,570	Tuscarora .....			3,170	
Oakland Tp .....	858	774	745	685	Total population ....	36,445	34,222	38,140	33,497
Onondago Tp .....	4,710	1,264	1,186	1,108					

\* Algoma total for 1891 includes present Rainy River and Thunder Bay Counties.



## Bruce

	Population as per census, 1891.	Population as per assess t. 1891.	Population as per census, 1901.	Population as per assess t. 1900.		Population as per census, 1891.	Population as per assess t 1891.	Population as per census, 1901.	Population as per assess t. 1900.
Chesley Vil .....	1,437	1,515	1,734	1,668	Tara Vil .....	695	704	625	706
Tiverton Vil .....	550	508	470	457	Albermarle Tp .....	1,819	1,214	1,962	1,335
Eastnor Tp .....	2,321	1,317	1,330	1,512	Anabel Tp .....	3,890	2,652	3,587	3,230
Arran Tp .....	2,913	2,710	2,562	2,517	Paisley Vil .....	1,328	1,119	1,086	1,036
Brant Tp .....	4,929	3,859	4,349	3,991	Southampton Town .....	1,437	1,404	1,636	1,641
Bruce Tp .....	3,793	3,208	3,109	2,960	Saugeen Tp .....	1,813	1,661	1,581	1,391
Carrick Tp .....	5,503	4,986	5,023	4,447	Walkerton Town .....	3,061	3,030	2,971	3,116
Culross Tp .....	3,345	3,101	2,955	3,007	Huron Tp .....	4,125	3,612	3,539	3,308
Elderslie Tp .....	3,047	2,877	2,458	2,248	Teeswater Vil .....	1,128	1,098	930	854
Greenock Tp .....	3,389	2,938	3,085	2,738	Warton Town .....	1,984	1,915	2,443	2,294
Kincardine Tp .....	3,618	3,306	2,855	2,986	Lindsay & St. Edmund Tps .....	....	737	1,374	989
Kinloss Tp .....	2,903	2,647	2,355	2,264					
Lucknow Vil .....	1,285	1,193	1,111	1,108	Total population ...	64,603	57,950	59,020	55,263
Kincardine Town .....	2,631	2,836	2,077	2,095					
Port Elgin Vil .....	1,659	1,803	1,313	1,365					

## Carleton.

Fitzroy Tp .....	2,940	2,443	2,767	2,400	Osgoode Tp .....	4,858	4,235	4,818	4,699
Gloucester Tp .....	6,823	6,293	7,778	6,118	Torbolton Tp .....	1,023	939	1,002	860
Glenbourn Tp .....	2,784	2,458	2,765	2,517	Ottawa City .....	38,942	43,229	59,928	57,002
Gower, North Tp .....	2,383	2,111	2,235	2,115	Richmond Vil .....	447	355	469	377
Huntley Tp .....	2,321	2,208	2,236	2,142	Ottawa East Vil .....	741	684	1,500	1,108
March Tp .....	1,264	1,069	1,184	1,127	Hintonburg Vil .....	....	....	2,798	2,254
Marlborough Tp .....	1,703	1,532	1,584	1,541					
Nepean Tp .....	11,401	5,736	5,840	4,809	Total population ...	77,630	73,282	96,904	89,069

## Dufferin.

Garafraxa, East Tp .....	2,169	1,865	1,895	1,807	Shelburne Vil .....	1,202	1,160	1,188	1,121
Amaranth Tp .....	2,799	2,645	2,798	2,575	Luther East Tp .....	2,111	2,016	1,698	1,579
Melancthon Tp .....	3,822	3,173	3,831	3,251	Grand Valley Vil .....	....	....	751	763
Mono Tp .....	3,518	3,181	3,111	3,133					
Malmur Tp .....	3,661	3,192	3,253	2,910	Total population ...	22,244	20,159	21,036	21,214
Orangeville Town .....	2,962	2,927	2,511	4,075					

## Elgin.

Aldborough Tp .....	5,299	4,695	5,341	4,488	Vienna Vil .....	398	358	352	349
Bayham Tp .....	3,856	3,167	3,771	3,496	Dunwich Tp .....	3,663	3,017	3,658	3,197
Dorchester, South Tp .....	1,624	1,522	1,637	1,474	Port Stanley Vil .....	616	654	552	506
Malahide Tp .....	3,851	3,718	3,795	3,715	Springfield Vil .....	463	425	501	481
Southwold Tp .....	4,766	4,273	4,338	3,703	Dutton Vil .....	838	693	863	815
Yarmouth Tp .....	5,471	4,806	5,089	4,720					
Aylmer Town .....	2,166	2,179	2,204	2,204	Total population ...	43,377	39,868	43,586	41,056
St. Thomas City .....	10,366	10,361	11,485	11,908					

## Essex.

Anderdon Tp .....	2,205	1,934	2,071	1,906	Peele Island .....	605	590	669	620
Colchester, N. Tp .....	1,720	1,499	2,145	1,848	Belle River Vil .....	657	627	607	460
Colchester, S. Tp .....	2,827	2,415	2,763	2,761	Leamington Town .....	1,910	1,948	2,451	3,065
Gosfield, N. Tp .....	2,000	1,733	1,999	1,969	Maidstone Tp .....	3,127	2,588	3,117	2,846
Mersea Tp .....	3,788	3,567	4,172	4,172	Kingsville Vil .....	1,335	1,289	1,537	1,369
Rochester Tp .....	2,806	2,222	2,625	2,550	Essex Town .....	1,709	1,789	1,891	1,407
Sandwich, E. Tp .....	4,378	3,884	2,794	2,238	Gosfield, S. Tp .....	2,071	1,951	2,417	2,369
Sandwich, W. Tp .....	2,643	2,394	2,738	2,476	Walkerville Town .....	933	882	1,595	1,368
Tilbury, N. Tp .....	....	2,340	2,192	2,048	Tilbury W .....	5,305	1,821	2,209	2,160
Amherstburg Town .....	2,279	2,260	2,222	2,058	Sandwich S .....	....	....	1,710	1,633
Sandwich Town .....	1,352	1,170	1,450	1,338					
Windsor City .....	10,322	10,528	12,153	11,436	Total population ...	55,545	50,988	58,516	55,387
Malden Tp .....	1,573	1,527	1,489	1,290					

## Frontenac.

	Population as per census, 1891.	Population as per assess <sup>t</sup> , 1891.	Population as per census, 1901.	Population as per assess <sup>t</sup> , 1900.		Population as per census, 1891.	Population as per assess <sup>t</sup> , 1891.	Population as per census, 1901.	Population as per assess <sup>t</sup> , 1900.
Barrie Tp.....	670	596	682	521	Portland Tp.....	2,512	2,096	2,502	2,147
Bedford Tp.....	1,837	1,406	1,730	1,446	Storrington Tp.....	2,285	1,965	2,062	1,726
Clarendon & Miller Tps.	929	843	941	874	Wolfe Island Tp.....	2,003	1,657	1,796	1,606
Hinchinbrooke Tp.....	1,465	1,196	1,545	1,219	Garden Island Tp.....	412	389	242	260
Howe Island.....	422	400	361	342	Kingston City.....	19,263	18,202	17,961	18,067
Kennebec Tp.....	1,428	1,243	1,404	1,363	Portsmouth Vil.....	1,974	847	1,827	664
Kingston Tp.....	3,349	2,500	3,176	2,480	Olden Tp.....	1,002	946	1,126	976
Loughborough Tp.....	2,218	1,762	2,144	1,688	Oso Tp.....	1,176	1,115	1,358	969
Palmerston Tp.....	1,064	821	1,133	1,076					
Pittsburgh Tp.....	3,000	2,491	2,544	2,106					
					Total population....	47,009	40,475	44,534	39,530

## Grey.

Artemesia Tp.....	4,092	3,640	3,923	3,495	St. Vincent Tp.....	3,494	3,360	3,108	2,811
Bentinck Tp.....	5,323	4,811	4,943	3,284	Sullivan Tp.....	4,164	3,617	3,697	3,299
Collingwood Tp.....	3,932	3,463	3,902	3,636	Sydenham.....	3,903	3,750	3,406	3,400
Derby Tp.....	2,200	1,941	2,146	1,886	Owen Sound Town.....	7,497	7,867	8,776	8,854
Egremont Tp.....	3,904	3,221	3,607	3,190	Meaford Town.....	1,999	1,852	1,916	1,889
Euphrasia Tp.....	3,567	3,228	3,441	3,241	Durham Town.....	1,273	1,192	1,422	1,325
Glenelg Tp.....	3,318	3,037	2,754	2,733	Dundalk Vil.....	696	636	762	795
Holland Tp.....	3,602	3,133	3,504	3,127	Thornbury Town.....	902	820	786	739
Keppel Tp.....	3,774	3,433	4,160	3,563	Markdale Vil.....	756	665	892	870
Normanby Tp.....	5,006	5,387	4,630	4,412	Hanover.....	.....	.....	.....	1,522
Osprey Tp.....	3,314	3,181	3,075	3,033					
Proton Tp.....	3,297	3,020	3,378	2,978					
Sarawak Tp.....	1,201	1,024	1,362	1,251	Total population....	71,214	66,278	69,590	65,333

## Haldimand.

Canborough Tp.....	1,118	998	966	914	Walpole Tp.....	4,922	3,974	4,189	4,186
Cayuga, N. Tp.....	1,893	1,728	1,657	1,515	Caledonia Vil.....	968	841	801	986
Cayuga S. Tp.....	925	825	833	770	Cayuga Vil.....	822	880	771	1,204
Dunn Tp.....	984	930	854	826	Dunnville Town.....	1,776	1,846	2,105	2,115
Moulton Tp.....	1,894	1,685	1,931	1,818	Sherbrooke Tp.....	436	419	396	383
Oneida Tp.....	2,400	1,715	2,023	1,466	Hagersville.....	1,061	910	1,020	908
Rainham Tp.....	2,010	1,851	1,802	1,639					
Seneca Tp.....	2,231	2,081	1,885	1,815	Total population....	23,440	20,683	21,233	20,545

## Halton.

Esqueness Tp.....	4,435	3,748	3,787	3,718	Trafalgar Tp.....	4,153	3,747	3,694	3,405
Nassagaweya Tp.....	2,809	2,642	2,357	2,274	Acton Vil.....	1,209	1,228	1,484	1,376
Nelson Tp.....	3,269	2,857	2,776	2,685	Burlington Vil.....	1,325	1,345	1,119	1,142
Georgetown Vil.....	1,509	1,542	1,313	1,438					
Milton Town.....	1,450	1,284	1,372	1,280	Total population....	21,982	20,208	19,545	19,022
Oakville Town.....	1,823	1,815	1,643	1,704					

## Hastings.

Carlow Tp.....	1,087	482	655	611	Tyendinaga Tp.....	5,135	4,028	4,743	3,734
Dungannon Tp.....	754	651	867	682	Belleville City.....	9,916	10,220	9,117	10,313
Elzevir Tp.....	1,506	1,176	1,501	1,296	Deseronto Town.....	3,388	3,001	3,527	3,786
Hungerford Tp.....	4,760	4,620	3,798	3,492	Stirling Vil.....	850	801	845	776
Huntingdon Tp.....	2,562	2,086	2,612	2,462	Trenton Town.....	4,363	4,165	4,217	3,789
Madoc Tp.....	2,967	2,459	2,790	2,652	Madoc Vil.....	1,134	1,031	1,157	1,083
Marmora & Lake Tps.	2,176	1,822	3,060	1,878	Wollaston Tp.....	771	686	834	722
Monteagle & Herschel Tps	1,552	1,503	1,891	1,813	Limerick Tp.....	508	464	597	558
McClure, Wicklow and Bangor.....	1,026	822	1,062	1,013	Faraday Tp.....	705	721	1,339	1,032
Rawdon Tp.....	3,629	3,114	3,434	3,143	Tweed Vil.....	.....	732	1,168	1,128
Sidney Tp.....	4,685	4,128	4,438	3,973	Mayo Tp.....	.....	593	597	557
Thurlow Tp.....	4,817	4,822	4,210	4,194					
Tuder Tp.....	843	779	832	843	Total population....	59,084	54,906	59,291	55,530



## Huron.

	Population as per census, 1891.	Population as per assess t 1891.	Population as per census, 1901.	Population as per assess t, 1900.		Population as per census, 1891.	Population as per assess t, 1891.	Population as per census, 1901.	Population as per assess t, 1900.
Ashfield Tp .....	4,010	3,539	3,497	3,176	Wawanosh, East Tp ...	2,078	1,905	1,960	1,941
Colborne Tp .....	2,215	1,956	1,866	1,802	Wawanosh, West Tp ...	2,337	2,048	2,218	2,055
Goderich Tp .....	2,907	2,661	2,528	2,413	Clinton Town .....	2,635	2,421	2,547	2,433
Grey Tp .....	4,022	3,744	3,557	3,389	Goderich Town .....	3,839	3,595	4,158	4,054
Hay Tp .....	4,244	3,639	3,627	3,452	Seaforth Town .....	2,641	2,544	2,245	2,426
Howick Tp .....	4,439	4,314	4,140	3,781	Brussels Vil .....	1,204	1,193	1,114	1,228
Hullet Tp .....	3,281	2,982	2,898	2,838	Wroxeter Vil .....	504	486	446	438
Morris Tp .....	3,253	2,894	2,606	2,485	Wingham Town .....	2,167	2,056	2,392	2,183
McKillop Tp .....	3,086	2,820	2,685	2,653	Exeter Vil .....	1,809	1,615	1,792	1,846
Stanley Tp .....	2,470	2,328	2,152	2,146	Blyth Vil .....	927	925	871	880
Stephen Tp .....	4,271	3,606	4,172	4,098	Bayfield Vil .....	595	578	558	570
Tuckersmith Tp .....	2,897	2,761	2,463	2,457	Hensall Vil .....	...	...	820	881
Turnberry Tp .....	2,452	2,270	2,141	2,161					
Usborne Tp .....	2,528	2,392	2,367	2,326	Total population .....	66,781	61,272	61,820	60,112

## Haliburton.

Anson Tp .....	275	272	300	279	Lutterworth Tp .....	549	509	464	424
Minden Tp .....	1,182	1,155	1,170	1,166	Sherborne & McClintock .....	...	...	271	214
Stanhope Tp .....	583	564	500	486	Guildford, Harburn and Bruton .....	...	...	343	...
Cardiff Tp .....	612	582	698	590	Livingston, Lawrence and Nightingale .....	...	...	28	...
Monmouth Tp .....	548	509	629	508					
Dysart, etc., Tp .....	1,080	965	773	990	Total population .....	6,348	5,767	6,559	5,858
Glanmorgan Tp .....	505	503	527	475					
Snowden Tp .....	1,014	703	856	726					

## Kent.

Wallaceburg Town .....	2,726	2,186	2,763	2,888	Zone Township .....	1,401	1,246	13,26	1,197
Camden Township .....	2,991	2,681	2,811	2,523	Bothwell Town .....	1,897	900	907	900
Chatham " .....	6,150	5,145	6,049	5,099	Chatham City .....	9,052	8,764	9,068	8,777
Dover " .....	4,415	3,814	4,464	4,234	Dresden Town .....	2,058	1,915	1,613	1,584
Harwich " .....	6,017	5,370	5,494	4,503	Blenheim " .....	1,708	1,675	1,653	1,676
Howard " .....	3,626	3,640	3,243	3,504	Thamesville Village .....	798	773	864	883
Orford " .....	3,479	2,744	3,347	2,764	Ridgetown Town .....	2,254	2,161	2,405	2,298
Raleigh " .....	4,955	4,443	4,844	4,499	Tilbury Centre Village .....	720	816	1,012	1,031
Romney " .....	1,534	1,441	2,103	1,850					
Tilbury, E. " .....	3,033	2,522	3,456	3,329	Total population .....	58,814	52,236	57,422	53,539

## Lambton.

Bosanquet Township .....	2,866	2,516	2,862	2,488	Oil Springs Village .....	1,138	1,129	1,018	975
Brooke " .....	3,874	3,188	3,678	3,278	Sarnia Town .....	6,692	6,498	8,176	7,734
Dawn " .....	3,480	3,012	3,659	3,389	Petrolia " .....	4,357	4,363	4,135	4,336
Eoniskillen " .....	5,006	4,616	4,745	4,614	Wyoming Village .....	871	777	829	732
Euphemia " .....	2,523	2,208	2,321	2,210	Watford " .....	1,299	1,185	1,279	1,331
Moore " .....	2,079	5,683	4,795	4,463	Arkona " .....	463	471	468	473
Plympton " .....	3,929	3,368	3,621	3,342	Thedford " .....	616	619	633	631
Sarnia Township and In- dian Reserve .....	2,937	2,009	2,632	2,064	Point Edward Village ..	1,881	1,792	780	983
Sombra Township and Walpole Island .....	4,207	3,928	5,231	3,749	Forest Town .....	2,057	1,550	1,553	1,676
Warwick Township .....	3,644	3,290	3,329	3,087	Alvinston Village .....	1,006	979	898	1,000
					Total population .....	54,925	53,181	56,642	52,555



## Lennox &amp; Addington.

	Population as per census, 1891.	Population as per assess t., 1891.	Population as per census, 1901.	Population as per assess t., 1900.		Population as per census, 1891.	Population as per assess t., 1891.	Population as per census, 1901.	Population as per assess t., 1900.
Adolphustown Township	720	500	544	487	Kaladar, etc., Tp.....	1,232	1,075	1,364	1,257
Amherst Isl'd "	938		821	834	Richmond Tp.....	2,898	2,528	2,563	2,176
Camden, East "	4,745	5,869	4,611	5,262	Sheffield Tp .....	2,355	2,082	2,280	2,025
Denbigh, Abinger and Ashley .....	870	850	1,056	1,043	Bath Vil. ....	530	505	407	345
Ernestown Township ...	3,697	2,874	3,317	3,160	Napanee Town .....	3,433	3,221	3,143	2,940
Fredericksburgh, N. Tp.	1,659	1,404	1,523	1,414	Newburgh Vil.....	648	587	614	631
Fredericksburgh, S. Tp.	1,125	968	1,103	1,018	Total population...	24,750	22,866	23,346	22,592

## Lincoln.

Caistor Tp .....	2,002	1,795	1,784	1,730	St. Catharines, City ....	9,170	9,377	9,946	10,309
Clinton Tp.....	2,137	1,955	2,056	1,831	Port Dalhousie Vil ....	879	886	1,125	859
Gainsborough Tp .....	2,683	2,413	2,463	2,397	Merrittion Vil.....	1,813	1,730	1,710	1,621
Grantham Tp.....	1,928	1,816	1,941	1,834	Grimsby Vil.....	883	846	1,001	915
Grimsby, South Tp.....	1,610	1,470	1,379	1,323	Beamsville Vil.....	911	881	832	763
Louth Tp .....	1,774	1,548	1,848	1,685	Grimsby, North Tp.....	1,095	1,019	1,312	1,205
Niagara Tp.....	1,845	1,820	1,897	1,762	Total population...	30,079	28,826	30,552	29,464
Niagara Town.....	1,349	1,320	1,258	1,230					

## Lanark.

Beathurst Township.....	2,757	2,341	2,508	2,440	Ramsay Township.....	2,601	2,185	2,383	2,084
Backwith "	1,766	1,680	1,646	1,655	Sherbrooke, South Tp ..	984	865	924	815
Burgess, N. Township ..	1,117	1,007	952	867	Almonte Town .....	3,068	2,925	3,023	3,141
Dalhousie and N. Sher- brooke .....	2,142	2,023	1,829	1,729	Carleton Place Town...	4,435	4,315	4,059	4,022
Darling Township .....	739	684	771	720	Lanark Village .....	859	828	979	913
Drummond " .....	2,202	2,025	2,078	1,904	Perth Town .....	3,136	3,205	3,588	3,698
Elmsley, N. Township ..	1,233	1,076	1,087	1,065	Smith's Falls Town.....	3,864	3,756	5,155	5,180
Lanark Township.....	1,904	1,747	1,751	1,698	Levant Township.....	679	605	569	485
Montague " .....	2,232	2,143	2,058	2,208	Total population...	37,725	35,274	37,232	36,539
Pakenham " .....	2,007	1,864	1,872	1,915					

## Leeds &amp; Grenville.

Augusta Township.....	4,534	4,111	4,166	3,649	Yonge, Front of T'p....	2,857	2,513	2,680	2,191
Crosby, North Township	2,097	1,718	2,030	1,805	Yonge, Rear of Tp.....	1,413	1,261	1,276	1,025
Crosby, South "	1,849	1,743	1,811	1,591	Brockville Town.....	8,791	8,864	8,940	8,883
Edwardsburg "	4,517	3,744	4,268	3,784	Gananoque Town.....	3,669	3,529	3,526	4,009
Elizabethtown "	4,726	3,694	4,872	3,849	Kemptville Village .....	1,226	1,058	1,523	1,410
Elmsley, South "	977	812	889	745	Merrickville " .....	1,072	954	1,024	1,080
Gower, South "	960	816	868	790	Prescott Town.....	2,919	2,924	3,019	2,807
Kitley "	2,336	2,242	2,089	1,893	Newboro' Village.....	462	432	432	408
Landsdowne and Leeds, Front of. ....	3,387	2,838	3,085	2,671	Cardinal " .....	459	964	1,378	1,238
Landsdowne and Leeds, Rear of.....	2,492	2,178	2,386	2,262	Athens " .....	904	786	953	965
Oxford Township.....	3,307	3,100	2,920	2,735	Bastard and Burgess Tps			3,006	2,684
Wolford " .....	2,115	1,770	1,855	1,694	Total population...	57,569	52,051	58,996	54,168

## Middlesex.

Adelaide Township.....	2,616	2,360	2,233	2,047	Williams, East Township	1,794	1,657	1,587	1,464
Biddulph " .....	2,600	2,600	2,263	2,350	Williams, West "	1,782	1,624	1,468	1,516
Caradoc " .....	4,700	4,012	4,612	3,924	London, City of ...	31,977	31,240	37,983	38,902
Delaware " .....	2,549	1,599	2,178	1,528	Lucan Village.....	920	897	848	820
Dorchester, North T'p ..	3,752	3,705	3,622	3,515	Parkhill Town.....	1,680	1,536	1,430	1,401
Eckfrid Township .....	2,876	2,623	2,757	2,646	Strathroy " .....	3,316	3,216	2,933	3,001
Lobo " .....	2,989	2,860	2,695	2,686	Wardsville Village....	380	336	343	327
London " .....	14,544	8,673	8,878	8,512	Newbury " .....	452	414	454	436
Metcalfe " .....	1,699	1,633	1,562	1,517	Glencoe " .....	976	940	1,034	945
Mosa " .....	2,450	2,759	2,206	2,534	Ailsa Craig " .....	731	699	744	714
McGillivray Township..	3,503	3,025	3,151	3,096	London, West Village ..	1,915	1,850		
Nissouri, West Township	3,271	2,878	2,998	2,700	Total population...	101,978	87,782	92,702	90,760
Westminster Township..	8,506	4,646	4,723	4,179					

## Muskoka.

	Population as per census, 1891.	Population as per assess't 1891.	Population as per census, 1901.	Population as per assess't 1900.		Population as per census, 1891.	Population as per assess't 1891.	Population as per census, 1901.	Population as per assess't 1900.
Baxter, Gibson and Free- man Tps .....	700		508		Monk Township .....	854		1,008	
Brunel Tp .....			811		Medora and Wood Tp. .	921		1,116	
Bracebridge Town .....			2,479		Muskoka Tp .....	797		838	
Cardwell Tp .....	1,419		466		Oakley Tp .....	385		348	
Chaffey Tp .....			1,136		Port Carling Vil. ....			323	
Draper Tp .....	1,082		998		Ridout Township .....	190		239	
Franklin Tp .....			544		Ryde " .....	612		552	
Gravenhurst Town .....	1,848		2,146		Stephenson " .....	1,728		1,249	
Huntsville Vil. ....	1,159		2,152		Stisted " .....	1,372		626	
Macaulay Township .....	760		736		Sinclair " .....	1,776		271	
McLean " .....	545		523		Watt " .....	1,835		975	
Morrison " .....	890		927		Total .....	18,873		20,971	

## Nipissing.

Airey .....			704		Martland Tp .....			118	
Badgerow, Gibbons and Bastedo .....			89		Mattawan .....			328	
Bleazard and Hanmer .....			663		Mattawa Town .....	1,438		1,400	
Bonfield .....	2,249		1,707		Montreal River, Tema- gamungue Lake and Unorg. Ter. ....			342	
Buck and Larraine .....			270		Murchison, Preston, Medawaska & Dickens.			283	
Casey, Hilliard, Breth- our and Ingram .....			71		North Bay Town .....	2,210		2,530	
Chisholm, Boulter and Biggar .....			954		Papineau .....	594		670	
Caldwell .....			868		Peck, Hunter, Canisby McLaughlin, Finlay- son, McCraney, & Butt.			543	
Calvin .....			509		Rathbun and Street .....			29	
Cameron, Deacon and Anglin .....			487		Sabine and Lyell Tps .....			146	
Crerar .....			311		Springer Tp .....	1,480		1,305	
Dryden, Neelon, McLen- nan, Garson, Dill, Broder, Falconbridge and Cleland Tps .....			506		Sturgeon Falls Town .....			1,418	
Dunnett and Rutter .....			774		Sudbury Town .....			2,027	
Dymond, Harley, Hud- son and Kerns .....			698		Whitefish River Mouth, Charlton and Sims .....			237	
Ferris Tp .....			962		Widdifield Tp .....			710	
Grant, Field, MacLaren and Fell Tps .....			188		Ballantyne & Paxton Tps .....			4	
Hagar, Loughrin, Awrey, Hawley and Hendrie .....			157		Beaucage Tp .....			209	
Hugel Tp .....			192		Capreol, Norman, Parkin, Creelman, Hutton and Wisner .....			18	
Jennings, Casimir and Appleby Tps .....			282		Guthrie, Master, Strat- ton, Barron, Nivin and Dickson .....			40	
Kirkpatrick Tp .....	535		357		Loudon and Falconer .....			20	
Lauder, Wilks and Pent- land Tps .....			66		Secord, Burwash, Tilton, and berth Nos. 36, 43, 44, 50, 52, 59, 60 & broken front to French River.			34	
Long Sault .....			26		Total .....	13,020		26,415	
McKim Tp .....			3,012						
McPherson Tp .....			151						

## Norfolk.

Charlotteville Tp .....	3,937	3,494	3,464	3,289	Port Dover Vil. ....	1,213	1,146	1,177	1,106
Houghton Tp .....	2,014	1,860	2,035	2,031	Waterford Vil .....	1,212	1,168	1,122	1,060
Middleton Tp .....	3,457	3,254	2,591	2,689	Walsingham, N. Tp. ....	2,393	2,295	2,359	2,240
Townsend Tp .....	4,291	3,881	4,017	3,675	Port Rowan Vil. ....	649	600	657	648
Walsingham, S Tp .....	2,392	1,776	2,012	1,724	Delhi Vil .....			823	826
Windham Tp .....	4,252	4,023	3,884	3,786	Total population .....	30,992	28,862	29,147	27,868
Woodhouse Tp .....	2,508	2,262	2,379	1,869					
Simcoe Town .....	2,674	3,103	2,627	2,925					

\* In Muskoka and Nipissing many townships are included in groups, or included in total.



## Northumberland and Durham.

	Population as per census, 1891.	Population as per assess't 1891.	Population as per census, 1901.	Population as per assess't 1900.		Population as per census, 1891.	Population as per assess't 1891.	Population as per census, 1901.	Population as per assess't 1900.
Alnwick Tp .....	1,321	1,079	1,247	1,031	Percy Tp .....	3,388	3,048	3,216	2,998
Brighton Vil .....	1,479	1,479	1,878	1,387	Seymour Tp .....	3,509	3,109	3,261	2,945
Cartwright Tp .....	2,026	1,979	1,768	1,748	Bowmanville Town .....	3,377	3,338	2,731	2,843
Cavan Tp .....	3,106	2,928	2,729	2,643	Cobourg Town .....	4,829	4,694	4,239	4,200
Clarke Tp .....	4,427	4,294	3,788	3,705	Colborne Vil. ....	1,068	1,033	1,017	1,004
Cramahe Tp .....	2,995	2,737	2,556	2,437	Newcastle Vil. ....	787	735	645	525
Darlington Tp .....	4,757	4,522	4,174	4,102	Port Hope Town .....	5,042	4,782	4,188	4,479
Haldimand Tp .....	4,484	4,116	3,946	3,895	Hastings Vil. ....	812	793	815	769
Hamilton Tp .....	4,313	4,542	3,623	3,952	Brighton Tp .....	3,017	2,879	2,774	2,569
Hope Tp .....	3,887	3,847	3,273	3,268	Millbrook Vil .....	971	896	917	874
Manvers Tp .....	4,047	3,551	3,357	2,860	Campbellford Vil .....	2,424	2,435	2,485	2,460
Monahan, S., Tp .....	1,093	1,078	929	850					
Murray Tp .....	3,303	3,023	2,993	2,708	Total population ....	70,462	66,917	62,049	60,252

## Ontario.

Beaverton Vil .....	850	850	855	726	Whitby, East Tp .....	3,080	2,928	2,631	2,526
Brock Tp .....	4,071	3,629	3,727	3,528	Whitby, West " .....	2,551	2,307	2,050	2,064
Mara Tp .....	3,152	2,980	2,921	2,836	Oshawa Town .....	4,066	4,082	4,394	4,201
Pickering Tp .....	5,998	5,781	5,225	5,338	Port Perry Vil. ....	1,698	1,756	1,465	1,446
Rama Tp .....	1,752	1,317	1,618	1,189	Whitby Town .....	2,786	2,693	2,110	2,230
Reach Tp .....	4,190	4,122	3,589	3,481	Cannington Village .....	1,050	1,101	1,058	1,250
Scott Tp .....	2,342	2,234	2,270	2,185	Uxbridge Tp .....	3,461	3,119	2,846	2,727
Seugog Tp .....	662	578	554	473					
Thorah Tp .....	1,623	1,368	1,438	1,316	Total population ....	45,355	42,971	40,408	39,200
Uxbridge Town .....	2,023	2,126	1,657	1,684					

## Oxford.

Blandford Tp .....	1,911	1,620	1,694	1,542	Zorra, East, Tp .....	4,262	3,697	4,298	3,867
Blenheim Tp .....	5,606	4,704	4,679	4,269	Zorra, West, Tp .....	2,988	2,638	2,792	2,125
Dereham Tp .....	4,025	3,580	3,979	3,711	Embro Vil .....	627	565	595	593
Nissouri, East, Tp .....	3,031	2,637	2,753	2,388	Ingersoll Town .....	4,191	5,200	4,573	4,845
Norwich, North, Tp .....	2,389	2,147	2,345	2,207	Tilsonburg Town .....	2,163	2,207	2,241	2,074
Norwich, South, Tp .....	2,943	2,408	2,664	2,317	Woodstock City .....	8,612	8,992	8,833	9,317
Oxford, East, Tp .....	2,155	1,929	2,057	1,883	Norwich Vil. ....	1,255	1,200	1,269	1,374
Oxford, North, Tp .....	1,498	1,418	1,402	1,242					
Oxford, West, Tp .....	2,193	1,968	2,230	2,046	Total population ....	49,849	46,910	48,404	45,800

## Parry Sound.

Armour Tp .....	2,171	915	.....	.....	Machar Tp .....	.....	902	.....
Bethune Tp .....	1,704	400	.....	.....	McKellar Tp .....	595	697	.....
Burk's Falls Vil. ....	.....	849	.....	.....	McKenzie & Burton Tps.	.....	169	.....
Carling Tp .....	.....	377	.....	.....	McMurrich Tp .....	686	716	.....
Chapman Tp .....	1,301	694	.....	.....	Monteith Tp .....	1,037	350	.....
Christie Tp .....	.....	553	.....	.....	Mowat and Blair Tps.	.....	481	.....
Conger and Cowper Tps.	.....	255	.....	.....	Nipissing Tp .....	916	675	.....
Croft Tp .....	.....	557	.....	.....	Parry Sound Town ..	2,250	2,884	.....
Ferguson and Burpee Tps	481	200	.....	.....	Parry Island .....	.....	807	.....
Ferrie Tp .....	753	104	.....	.....	Patterson Tp .....	.....	184	.....
Foley Tp .....	502	618	.....	.....	Perry Tp .....	.....	1,779	.....
Gurd Tp .....	842	547	.....	.....	Pringle Tp .....	.....	282	.....
Hagarman Tp .....	594	471	.....	.....	Proudfoot Tp .....	.....	145	.....
Himsworth, North, Tp.	916	2,516	.....	.....	Ryerson Tp .....	.....	761	.....
Himsworth, South, Tp.	.....	.....	.....	.....	Shawanaga I. R. and	.....	.....	.....
(pop. included in North	.....	.....	.....	.....	Harrison Tp .....	.....	100	.....
Humphrey Tp .....	612	685	.....	.....	Spence Tp .....	.....	417	.....
Joly Tp .....	750	268	.....	.....	Strong Tp .....	760	768	.....
Laurier Tp .....	1,177	273	.....	.....	Sundridge Vil. ....	.....	357	.....
Lount Tp .....	.....	287	.....	.....	Wallbridge & Brown Tps	.....	815	.....
McConkey Mills, Wilson	.....	.....	.....	.....	Unorganized Territory ..	.....	.....	.....
and Hardy Tps .....	.....	575	.....	.....				
McDougall Tp .....	.....	503	.....	.....	Total population ....	18,037	24,936	.....



## Peel

	Population as per census, 1891.	Population as per assess t. 1891.	Population as per census, 1901.	Population as per assess t. 1900		Population as per census, 1891.	Population as per assess t. 1891.	Population as per census, 1901.	Population as per assess t. 1900.
Albion Tp.....	3,142	2,782	2,741	2,751	Brampton Town.....	3,252	3,294	2,748	2,613
Caledon Tp.....	5,520	4,175	4,345	3,739	Streetsville Village.....	695	557	522	528
Chinguacousy Tp.....	4,744	4,487	4,177	3,888	Bolton Village.....	743	653	702	596
Toronto Tp.....	5,528	5,129	5,208	5,087					
Toronto Gore.....	1,247	1,103	1,032	970	Total population....	24,871	22,180	21,475	20,372

## Perth.

	Population as per census, 1891.	Population as per assess t. 1891.	Population as per census, 1901.	Population as per assess t. 1900		Population as per census, 1891.	Population as per assess t. 1891.	Population as per census, 1901.	Population as per assess t. 1900.
Blanchard Tp.....	2,927	2,828	2,575	2,563	Mornington Tp.....	3,509	3,224	3,246	2,913
Downie Tp.....	5,281	2,927	2,895	2,716	Wallace Tp.....	3,237	2,891	2,839	2,779
Easthope, North, Tp....	2,551	2,494	2,295	2,194	Listowell Town.....	2,587	2,520	2,693	2,517
Easthope, South, Tp....	2,149	1,672	2,097	1,917	Mitchell Town.....	2,101	2,202	1,945	2,088
Ellice Tp.....	3,884	2,913	3,367	3,027	Stratford City.....	9,500	9,417	9,959	10,422
Elma Tp.....	4,231	3,973	4,159	3,357	St. Mary's Town.....	3,416	3,494	3,384	3,327
Fullarton Tp.....	2,511	2,351	2,295	2,219	Milverton Vil.....	603	533	698	686
Hibbert Tp.....	2,636	2,252	2,400	2,117					
Logan Tp.....	3,093	2,726	3,024	2,961	Total population ...	53,716	48,417	49,871	47,803

## Peterborough.

	Population as per census, 1891.	Population as per assess t. 1891.	Population as per census, 1901.	Population as per assess t. 1900		Population as per census, 1891.	Population as per assess t. 1891.	Population as per census, 1901.	Population as per assess t. 1900.
Asphodel Tp.....	1,866	1,722	1,877	1,762	Galway&Cavendish Tp..	710	676	853	1,110
Belmont and Methuen Tp	2,548	2,304	2,382	1,988	Monaghan, N. Tp ....	1,021	851	957	903
Douro Tp.....	2,131	1,980	1,871	2,007	Lakefield Vil .....	1,120	1,092	1,244	1,119
Dummer Tp.....	2,143	2,005	2,039	2,056	Norwood Vil.....	1,010	982	945	980
Ennismore Tp.....	932	877	936	708	Burleigh .....	}	1,290	1,493	1,357
Harvey Tp.....	1,155	1,000	1,199	1,063	Anstruther .....				
Otonabee Tp.....	3,652	3,521	3,456	3,278	Chandos.....				
Smith Tp.....	3,045	2,640	2,944	2,565	Havelock Vil.....	.....	.....	984	1,025
Ashburnam Vil.....	1,674	1,583	1,647	1,715					
Peterborough Town.....	9,717	9,841	11,239	10,554	Total population....	32,724	32,364	36,066	34,190

## Prescott and Russell.

	Population as per census, 1891.	Population as per assess t. 1891.	Population as per census, 1901.	Population as per assess t. 1900		Population as per census, 1891.	Population as per assess t. 1891.	Population as per census, 1901.	Population as per assess t. 1900.
Alfred Tp.....	3,053	2,822	3,327	3,034	Plantagenet, S. Tp.....	3,080	2,391	3,544	3,312
Caledonia Tp.....	1,943	1,570	2,201	1,759	Russell Tp.....	3,918	2,902	3,835	3,104
Cambridge Tp.....	4,113	2,424	3,459	2,992	Hawkesbury Town.....	2,042	1,557	4,150	3,449
Clarence Tp.....	4,779	4,187	6,085	4,820	L'Orignal Vil .....	1,002	779	1,026	1,123
Cumberland Tp.....	4,014	3,367	4,198	3,597	Rockland Vil .....	1,465	1,407	1,998	1,583
Hawkesbury, E. Tp.....	4,896	4,515	4,621	4,846	Casselman Vil.....	.....	1,179	707	581
Hawkesbury, W. Tp....	2,740	2,473	3,024	1,338	Vankleek Hill Vil.....	.....	.....	.....	1,291
Longueil Tp.....	1,172	978	1,060	941					
Plantagenet, N. Tp....	4,245	3,569	4,082	3,774	Total population....	42,462	36,120	47,317	41,544

## Prince Edward.

	Population as per census, 1891.	Population as per assess t. 1891.	Population as per census, 1901.	Population as per assess t. 1900		Population as per census, 1891.	Population as per assess t. 1891.	Population as per census, 1901.	Population as per assess t. 1900.
Ameliasburgh Tp.....	3,079	2,896	2,585	2,995	Picton Town.....	3,287	3,060	3,698	3,602
Athol Tp.....	1,284	1,080	1,187	1,093	Wellington Vil.....	555	525	652	612
Hillier Tp.....	1,890	1,626	1,647	1,537	Hallowell Tp.....	3,380	3,042	3,445	2,846
Marysburgh, N. Tp.....	1,430	1,350	1,213	1,182					
Marysburgh, S. Tp.....	1,643	1,591	1,342	1,187	Total population....	18,889	17,241	17,864	16,908
Sophiasburgh Tp.....	2,341	2,071	2,095	1,854					

## Rainy River.

	Population as per census, 1891.	Population as per assess't, 1891.	Population as per census, 1901.	Population as per assess't, 1900.		Population as per census, 1891.	Population as per assess't, 1891.	Population as per census, 1901.	Population as per assess't, 1900.
Alberton Vil., Crosier & Roddick Tps. ....			183	183	Leeblain .....			324	324
Ash Rapids .....			70	70	Little Turtle Lake, in- cludes Farrington Tp. ....			467	467
Aylesworth, including Woodyatt, Burries and Devlin Tps. ....			591	591	McIrvine Tp. ....			697	697
Beaudros Fishery, Spohn, McCrosen and North Wood Tps. ....			480	480	Manitou " .....			115	115
Beaver Mills, Pratt, Blue and Worthington Tps. ....			470	470	Mikado Mine .....			416	416
Dryden Station, Rugby, Eton, Wainwright, Au- brey & Sanford Tps. ....			741	741	Mine Centre, includes Bennett Tp. ....			997	997
Emo, Dobie & Lash Tps. ....			730	730	Morley, Shenstone and Tait .....			532	532
Fort Francis, shore and islands near by .....			466	466	Rat Portage Tp. ....	1,806		187	187
Hawk Lake, includes from Parrywood Stat'n to Scoville. ....			149	149	Rat Portage Town. ....			5,202	5,202
Ignace .....			291	291	Regina Mine, Whitefish Bay & Rowan Lake .....			67	67
Kalmar .....			232	232	Sawbill Lake .....			566	566
Keewatin Div. ....			37	37	Tache Tp. ....			705	705
Keewatin Tp., north of Portage Bay .....	1,414		1,156	1,156	Vermillion Bay .....			158	158
					Van Horn Tp. ....				1,398
					Wabigoon Tp. ....			410	410
					Indian Reserve, Lac Seul Mission .....				
					Total .....			16,439	16,439

## Renfrew.

Admaston Tp. ....	2,548	2,126	2,453	2,215	Arnprior Town. ....	3,341	3,116	4,152	3,733
Alice & Fraser Tps. ....	1,920	1,742	2,139	1,940	Pembroke Town. ....	4,401	4,277	5,156	5,015
Bagot & Blythefield Tp. ....	1,594	1,241	1,620	1,397	Renfrew Town .....	2,611	2,200	3,153	3,054
Bromley Tp. ....	1,933	1,773	2,069	2,001	Brudenell and Lyndock. ....	1,398	1,338	1,411	1,339
Brougham Tp. ....	548	549	601	578	Griffith and Mattawat- chan Tps. ....	721	681	697	700
Horton Tp. ....	1,608	1,419	1,554	1,431	Grattan Tp. ....	1,724	1,578	2,078	1,886
McNab Tp. ....	3,514	3,254	3,835	3,383	Radcliffe and Raglan Tps. ....	1,059	925	1,364	945
Pembroke Tp. ....	801	622	903	719	Hagarty, etc., Tps. ....	1,608	2,111	3,325	2,828
Pettewawa & McKay Tps. ....	991	928	1,067	947	Eganville Vil. ....	395	750	1,107	1,009
Rolph, Buchanan & Wylie	1,034	736	1,140	1,036	Clara Head & Maria Tps. ....			483	359
Ross Tp. ....	2,402	2,457	3,003	2,801	Algona, S Tp. ....			1,080	930
Sebastopol Tp. ....	710	674	731	729	Richards and Burns Tps. ....			131	
Stafford Tp. ....	1,173	1,000	1,174	1,073	Total population. ....	44,838	41,358	52,712	47,626
Westmeath Tp. ....	3,612	3,005	3,586	3,419					
Wilberforce and N. Al- gona Tps. ....	3,192	2,164	2,700	2,159					

## Simcoe

Adjala Tp. ....	2,459	1,899	2,161	2,108	Barrie Town .....	5,550	5,274	5,949	6,014
Essa Tp. ....	3,592	3,950	3,438	4,260	Bradford Vil. ....	996	925	984	913
Flos Tp. ....	3,782	3,038	3,897	3,355	Collingwood Town. ....	4,939	5,008	5,755	5,587
Gwillimbury West, Tp. ....	2,525	2,323	2,342	2,330	Orillia Town .....	4,752	4,854	4,907	4,667
Innisfil Tp. ....	5,110	4,191	3,858	3,547	Alliston Town. ....	1,371	1,951	1,256	1,798
Medonte Tp. ....	4,514	3,453	4,451	3,954	Sunnidale Tp. ....	2,772	2,293	2,367	2,217
Nottawasaga Tp. ....	6,060	4,949	5,342	5,399	Midland Town. ....	2,088	2,198	3,174	2,647
Orillia Tp. ....	3,687	3,158	4,564	3,468	Penetanguishene Town. ....	2,110	2,125	2,422	2,391
Oro Tp. ....	4,457	3,819	4,001	3,893	Tottenham Vil. ....	586	531	611	574
Stayner Town .....	1,357	1,123	1,225	1,160	Beeton Vil. ....	771	767	634	765
Tay Tp. ....	4,714	3,775	5,442	4,215	Matchedash Tp. ....	375	368	499	456
Tecumseh Tp. ....	3,863	3,194	3,440	3,221	Creemore Vil. ....	721	648	654	629
Tiny Tp. ....	4,784	3,848	4,386	3,748	Total population. ....	82,827	73,926	82,315	77,927
Toscoronto Tp. ....	1,870	1,456	1,726	1,615					
Vespra Tp. ....	3,022	2,813	2,830	2,996					

\* Places in Rainy River were in 1891 grouped in the total for Algoma West.

## Stormont, Dundas and Glengarry.

	Population as per census, 1891.	Population as per assess't, 1891.	Population as per census, 1901.	Population as per assess't, 1900.		Population as per census, 1891.	Population as per assess't, 1891.	Population as per census, 1901.	Population as per assess't, 1900.
Charlottensburg Tp. . . . .	5,657	5,073	5,280	4,817	Morrisburgh Vil. . . . .	1,859	1,696	1,693	1,610
Cornwall Tp. . . . .	6,790	5,629	6,618	5,674	Mountain Tp. . . . .	3,422	2,980	3,427	3,311
Finch Tp. . . . .	3,509	3,024	3,765	3,008	Kenyon Tp. . . . .	5,376	4,675	4,700	3,866
Lancaster Tp. . . . .	4,784	3,744	4,051	3,533	Alexandria Vil. . . . .	1,614	1,465	1,911	1,670
Lochiel Tp. . . . .	5,016	4,517	4,857	4,391	Winchester Vil. . . . .	962	978	1,101	1,078
Matilda Tp. . . . .	4,138	4,102	4,016	3,845	Chesterville Vil. . . . .	775	699	932	847
Osnabruck Tp. . . . .	5,316	4,769	4,828	4,721	Maxville Vil. . . . .		639	749	683
Roxborough Tp. . . . .	4,736	4,153	4,834	4,197	Lancaster Vil. . . . .			583	535
Williamsburgh Tp. . . . .	4,308	3,836	3,906	3,725	St. Regis Ind. Res. . . . .			293	
Winchester Tp. . . . .	3,621	3,340	3,585	3,141					
Corawall Town . . . . .	6,805	6,010	6,704	6,190	Total population . . . . .	69,735	62,451	68,930	62,045
Iroquois Vil. . . . .	1,047	1,122	1,097	1,203					

## Thunder Bay.

Empress Mine, including Jackfish, Steel River, Middleton, Port Cald- well, Heron Bay, Pen- insular and Melgund. . . . .		169		Port Arthur Town . . . . .	2,698		3,214
English River . . . . .		221		Rosspoint, Winston, Black River and Pay's Plat. . . . .			236
Fort William and Indian Res. . . . .			3,997	Savanne . . . . .	1,019		222
Neebing, Falpoonge, Blake, Crooks, Pardee, Pic and other Ids. . . . .		403		Schreiber . . . . .			510
Nepigon, Lyon & Darion Oliver . . . . .		961		Shuniah, Weir & Graham Silver Creek, Connmee, Gillies and Scoville . . . . .			22
Pinewood, Nelles, Pat- tullo and Dilkes . . . . .		504		Sultana Mine . . . . .			449
Port Arthur Tp., incl McIntyre & McGregor . . . . .		387		Whitefish Station., incl. Marks, 'Strange and Lybster . . . . .			212
		71		White River Vil. . . . .			137
				Ind. Res. at Pic River and Long Cap . . . . .			272
							559
				Total population . . . . .			12,546

## Victoria.

Bexley Tp. . . . .	902	723	907	864	Verulam Tp. . . . .	2,291	1,943	2,130	1,801
Carden Tp. . . . .	815	720	805	705	Lindsay Town . . . . .	6,081	6,157	7,003	6,535
Eldon Tp. . . . .	3,145	2,814	2,994	2,913	Bobcaygeon Vil. . . . .	1,018	984	914	863
Emily Tp. . . . .	2,603	2,211	2,304	2,051	Omamee Vil. . . . .	687	690	574	614
Fenelon Tp. . . . .	2,809	2,550	2,470	2,282	Fenelon Falls Vil. . . . .	1,219	1,044	1,132	1,131
Laxton, Digby, etc., Tps. . . . .	874	759	815	761	Woodville Vil. . . . .	323	655	230	536
Mariposa Tp. . . . .	4,849	4,044	4,418	3,910	Dalton Tp. . . . .	509	528	541	488
Ops Tp. . . . .	2,926	2,544	2,610	2,171					
Somerville Tp. . . . .	1,940	1,787	2,105	1,843	Total population . . . . .	32,991	30,153	31,952	29,466

## Waterloo.

Waterloo Tp. . . . .	7,344	6,905	7,107	7,016	Dumfries N., Tp. . . . .	2,516	2,468	2,164	2,059
Wilmot Tp. . . . .	5,487	5,226	4,944	5,126	Preston Vil. . . . .	1,843	1,838	2,308	2,280
Woodwich Tp. . . . .	4,838	4,462	4,318	4,336	Wellesley Tp. . . . .	5,609	5,188	5,051	4,908
Berlin Town . . . . .	7,425	7,443	9,747	9,359	Ayr Vil. . . . .	1,040	980	827	832
Galt Town . . . . .	7,535	7,374	7,866	7,638	Elmira Vil. . . . .	1,063	988	1,060	1,089
New Hamburg Vil. . . . .	1,335	1,250	1,208	1,214					
Waterloo Town . . . . .	2,941	2,853	3,537	3,571	Total population . . . . .	50,458	48,349	52,594	51,947
Hespeler Vil. . . . .	1,482	1,374	2,457	2,519					

\* Places in Thunder Bay were in 1891 grouped in the total for Algoma West.



## Wellington.

	Population as per census, 1891.	Population as per assess <sup>t</sup> , 1891.	Population as per census, 1901.	Population as per assess <sup>t</sup> , 1900.		Population as per census, 1891.	Population as per assess <sup>t</sup> , 1891.	Population as per census, 1901.	Population as per assess <sup>t</sup> , 1900.
Arthur Tp. ....	3,224	3,220	2,961	2,802	Arthur Vil. ....	1,296	1,246	1,285	1,442
Eramosa Tp. ....	3,116	2,867	2,705	2,647	Elora Vil. ....	1,304	1,228	1,187	1,186
Erin Vil. ....	594	542	511	518	Fergus Vil. ....	1,598	1,532	1,396	1,505
Garafraxa, West Tp. ....	3,043	2,631	2,561	2,311	Guelph City. ....	10,537	10,695	11,496	10,822
Guelph Tp. ....	2,464	2,277	2,423	2,198	Mount Forest Town ...	2,214	2,304	2,019	2,180
Luther West, Tp. ....	2,111	1,892	2,227	2,095	Harriston Town ...	1,687	1,645	1,637	1,756
Maryborough Tp. ....	3,546	3,069	3,188	2,964	Drayton Vil. ....	793	758	791	790
Minto Tp. ....	3,637	3,271	3,128	2,974	Clifford Vil. ....	634	561	608	615
Nichol Tp. ....	2,056	1,973	1,685	1,686	Palmerston Town. ....	2,006	1,654	1,850	1,784
Peel Tp. ....	4,253	4,200	3,865	3,854	Erin Tp. ....	4,048	3,560	3,587	3,196
Pilkington Tp. ....	1,661	1,561	1,491	1,396					
Puslinch Tp. ....	3,614	3,331	3,045	3,321	Total population ...	59,436	55,817	55,646	54,042

## Welland.

Bertie Tp. ....	4,222	3,836	3,189	3,040	Fort Erie Vil. ....	934	913	890	825
Crowland Tp. ....	1,107	994	1,010	967	Port Colborne Vil. ....	1,154	1,025	1,253	1,132
Felham Tp. ....	2,554	2,342	2,490	2,333	Thorold Tp. ....	2,316	2,009	2,025	1,897
Stamford Tp. ....	2,099	2,025	2,140	1,958	Welland Town ...	2,035	1,858	1,863	1,842
Thorold Town ...	2,273	2,401	1,979	1,679	Humberstone Tp. ....	2,842	2,599	3,232	2,948
Wainfleet Tp. ....	2,945	2,327	3,008	2,675	Niagara Falls Vil. ....	1,179	1,107	1,458	1,356
Willoughby Tp. ....	1,099	1,041	991	931	Bridgeburg Vil. ....	.....	.....	1,356	1,206
Chippawa Vil. ....	523	519	460	446					
Niagara Falls Town ...	3,349	2,905	4,244	4,313	Total population ...	30,631	27,901	31,588	29,548

## Wentworth.

Ancaster Tp. ....	4,098	3,895	3,863	3,788	Saltfleet Tp. ....	2,765	2,634	3,209	3,038
Barton Tp. ....	4,997	4,676	3,620	3,441	Dundas Town ...	3,546	3,385	3,173	3,417
Beverly Tp. ....	4,636	4,550	3,999	3,941	Hamilton City ...	48,980	46,794	52,634	51,661
Binbrook Tp. ....	1,674	1,569	1,403	1,380	Waterdown Vil. ....	669	669	622	600
Flamboro' East, Tp. ....	2,661	2,448	2,522	2,358					
Flamboro' West, Tp. ....	3,079	2,878	2,822	2,759	Total population ...	78,849	75,141	79,452	77,907
Glanford Tp. ....	1,744	1,643	1,585	1,624					

## York.

Etobicoke Tp. ....	4,557	3,579	4,413	3,603	Newmarket Town ...	2,143	1,948	2,125	2,296
Georgina Tp. & Is. ...	1,990	1,707	1,688	1,652	Richmond Hill Vil. ...	743	750	629	625
Gwillimbury E., Tp. ...	3,844	3,563	3,570	3,083	Toronto City ...	181,220	170,951	208,040	193,246
Gwillimbury N., Tp. ...					Markham Vil. ....	1,100	1,019	967	1,055
and Snake Is. ....	1,990	1,695	1,947	1,315	Stouffville Vil. ....	1,148	1,128	1,223	1,285
King Tp. ....	6,067	5,375	5,565	5,100	Woodbridge Vil. ....	762	782	604	641
Markham Tp. ....	5,681	4,956	5,378	5,802	Weston Vil. ....	1,194	1,109	1,083	1,004
Scarborough Tp. ....	4,028	3,864	3,845	3,711	Toronto Junc. Town. ....		4,158	6,091	5,510
Vaughan Tp. ....	5,292	4,490	4,586	4,342	East Toronto Vil. ....		910	1,564	1,504
Whitechurch Tp. ....	4,019	3,702	3,619	3,505	North Toronto Town. ....		1,191	1,852	1,658
York Tp. ....	23,257	6,453	11,192	8,600	Sutton Vil. ....	686	631	646	605
Aurora Town ...	1,743	1,922	1,590	1,801					
Holland Landing Vil. ...	443	430	446	443	Total population ...	251,907	226,303	272,663	251,886

TABLE No. 17.

Table giving population of Ontario by cities, towns, villages and townships as per census of 1891 and 1901.

Counties.	Cities.		Towns.		Villages.		Townships.		Totals.	
	1891.	1901.	1891.	1901.	1891.	1901.	1891.	1901.	1891.	1901.
Algoma . . . . .			2,414	7,169	.....	1,205	39,442	36,142	41,856	44,516
Brant . . . . .	12,753	16,619	3,094	3,229			20,598	18,292	36,445	38,140
Bruce . . . . .			9,113	9,127	8,082	7,259	47,508	42,634	64,703	59,020
Carleton . . . . .	38,942	59,928			1,188	4,767	37,500	32,209	77,630	96,904
Dufferin . . . . .			2,962	2,511	1,202	1,188	18,080	17,337	22,244	21,086
Elgin . . . . .	10,366	11,485	2,166	2,204	2,315	2,268	28,530	27,629	43,377	43,586
Essex . . . . .	10,322	12,153	8,183	9,109	1,992	2,144	35,048	35,110	55,545	58,516
Frontenac . . . . .	19,263	17,961			1,974	1,827	25,772	24,746	47,069	44,534
Grey . . . . .			11,671	12,900	1,452	1,654	58,091	55,036	71,214	69,590
Haldimand . . . . .			1,776	2,105	2,851	2,592	18,813	16,536	23,440	21,233
Haliburton . . . . .								6,559		6,559
Halton . . . . .			3,273	3,015	4,043	3,916	14,666	12,614	21,982	19,545
Hastings . . . . .	9,916	9,117	7,701	7,744	1,984	3,170	39,483	39,260	59,084	59,291
Huron . . . . .			11,282	11,332	5,039	5,601	50,460	44,887	66,781	61,820
Kent . . . . .	9,052	9,068	10,643	9,341	1,518	1,876	37,601	37,137	58,814	57,422
Lambton . . . . .			13,106	13,864	7,274	5,905	34,545	36,873	54,925	56,642
Lanark . . . . .			14,503	15,825	859	979	22,363	20,428	37,725	37,232
Leeds & Grenville . . . . .			15,379	15,485	4,123	5,310	38,067	38,201	57,569	58,996
Lennox & Addington . . . . .			3,433	3,143	1,178	1,021	20,139	19,182	24,750	23,346
Lincoln . . . . .	9,170	9,946	1,349	1,258	4,486	4,668	15,074	14,680	30,079	30,552
Middlesex . . . . .	31,977	37,983	4,996	4,363	5,374	3,423	59,631	46,933	101,978	92,702
Muskoka . . . . .			1,848	4,625	1,159	2,475	15,866	13,871	18,873	20,971
Nipissing . . . . .			3,648	7,375			10,372	19,040	14,020	26,415
Norfolk . . . . .			2,674	2,627	3,074	3,779	25,244	22,741	30,992	29,147
Northumberland & Durham . . . . .			13,248	11,158	6,062	5,879	51,152	45,012	70,462	62,049
Ontario . . . . .			8,875	8,161	3,598	3,378	32,882	28,869	45,355	40,408
Oxford . . . . .	8,612	8,833	6,354	6,780	1,882	1,864	33,001	30,927	49,849	48,404
Parry Sound . . . . .			2,250	2,834		1,206	15,787	20,846	18,037	24,936
Peel . . . . .			3,352	2,748	1,438	1,224	20,081	17,503	24,871	21,475
Perth . . . . .	9,500	9,959	8,104	8,022	603	698	35,509	31,192	53,716	49,871
Peterborough . . . . .			9,717	11,239	3,804	4,820	19,203	20,007	32,724	36,066
Prescott & Russell . . . . .			2,042	4,150	2,467	3,731	37,953	39,436	42,462	47,317
Prince Edward . . . . .			3,287	3,698	555	652	15,047	13,514	18,889	17,864
Rainy River . . . . .				5,202				11,237		16,439
Renfrew . . . . .			10,353	12,461	395	1,107	34,090	39,144	44,838	52,712
Simcoe . . . . .			22,167	24,688	3,074	2,883	57,586	54,744	82,827	82,315
Stormont, Dundas and Glengarry . . . . .			6,805	6,704	6,307	8,066	56,623	54,160	69,735	68,930
Thunder Bay . . . . .			2,698	7,211				5,335	2,698	12,546
Victoria . . . . .			6,881	7,003	3,247	2,850	22,863	22,099	32,991	31,952
Waterloo . . . . .			17,901	21,150	6,763	7,860	25,794	23,584	50,458	52,694
Welland . . . . .			7,657	8,086	3,790	5,417	19,184	18,085	30,631	31,588
Wellington . . . . .	10,537	11,496	5,907	5,506	6,219	5,778	36,773	32,866	59,486	55,646
Wentworth . . . . .	48,980	52,634	3,546	3,173	669	622	25,654	23,023	78,849	79,452
York . . . . .	181,220	208,040	3,886	11,658	6,076	7,162	60,725	45,803	251,907	272,663
	410,610	475,222	280,244	320,033	118,116	132,224	1,312,800	1,255,463	2,121,770	2,182,942

























